Designing With Mitrex BIPV:
Solar Cell Layout Options

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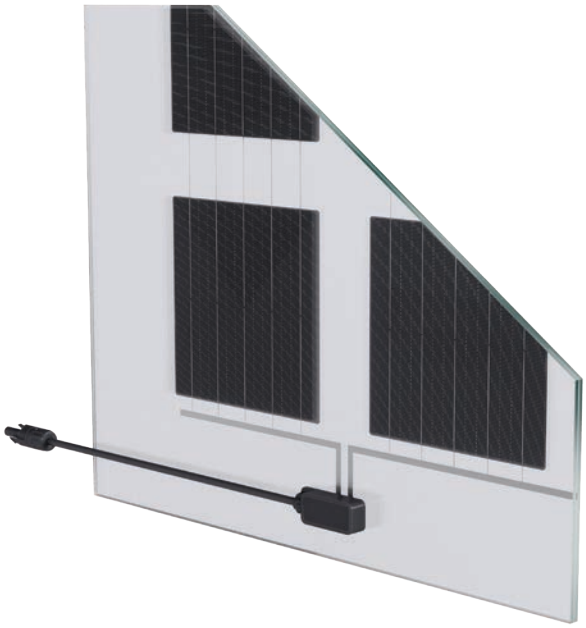
240729 - V1

Glass Types

Solar Glass[1] Laminated Glass

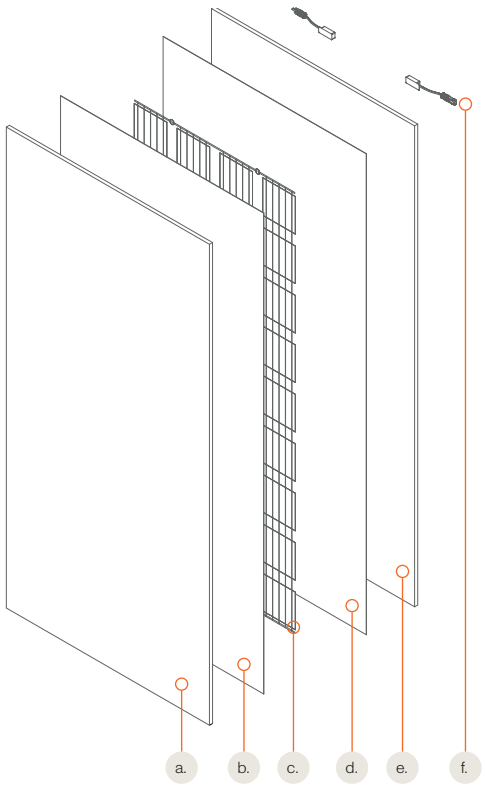


Laminated glass redefines architectural possibilities with its unmatched strength, impact resistance, and smooth, exquisite finish. In today's architectural world, laminated glass is the cornerstone of current architecture, seamlessly fusing safety and style. Its benefits range from improving structural integrity to offering soundproofing and security.

These Laminated Glass layers can exhibit various configurations such as the following:

Laminated Solar Glass Layers

	• Imperial	• Metric
a./e. Low Iron Glass	0.11in (Opaque only), 0.15in, & 0.23in	3mm (Opaque only), 4mm, & 6mm
b./d. Encapsulant	Good radiation transmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.	
c. Solar Cells	Mono-crystalline (6.25in x 6.25in)	Mono-crystalline (158.75mm x 158.75mm)
f. Junction Box	Junction box is an enclosure where the PV strings are connected through bypass diodes. The cables carry MC4 connectors and work as PV outputs.	



Glass Types

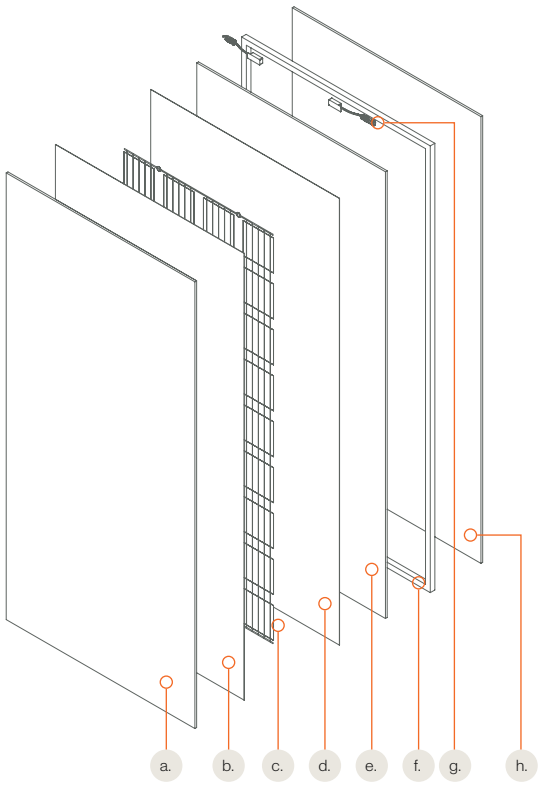
Solar Glass² Double Layer Insulated Glass Unit (IGU)

As architectural solutions progress, Insulated Glass Units (IGUs) become a revolutionary invention that redefines the purpose of windows and facades. These state-of-the-art units, made of several glass panes divided by an insulating gas-filled gap, transform buildings with their increased comfort, noise reduction, and greater thermal efficiency. IGUs are a crucial component of sustainable and cozy living spaces since they improve energy efficiency while also adding a contemporary aesthetic touch.

This Insulated Glass Units features a Laminated Solar Glass as a first layer plus a spacer and a second Laminated Solar Glass layer. These layers can exhibit various configurations, such as the following:

Double Layer Insulated Glass Unit (IGU) Layers

	• Imperial	• Metric
a./e./h. Low Iron Glass	0.11in (Opaque only), 0.15in, & 0.23in	3mm (Opaque only), 4mm, & 6mm
b./d. Encapsulant	Good radiation transmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.	
c. Solar Cells	Mono-crystalline (6.25in x 6.25in)	Mono-crystalline (158.75mm x 158.75mm)
f. Junction Box	Junction box is an enclosure where the PV strings are connected through bypass diodes. The cables carry MC4 connectors and work as PV outputs.	
g. Spacer	0.47in, (0.23in to 0.98in)	12mm, (6mm to 25mm)



Glass Types

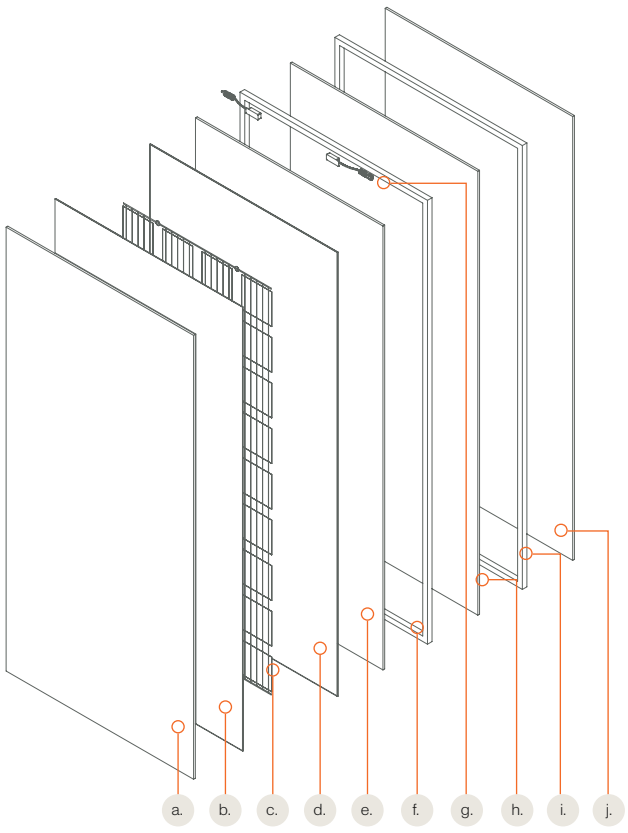
Solar Glass³ Triple Layer Insulated Glass Unit (IGU)

This technique, which consists of three layers of glass divided by insulating voids, raises the bar for environmental sustainability, soundproofing, and thermal insulation. For the most demanding architectural designs and ecologically sensitive settings, the triple-layer IGU is more than just a window—it's a testament to excellent performance, providing enhanced comfort, noise reduction, and exceptional energy efficiency.

This Insulated Glass Units features a Laminated Solar Glass as a first layer, a spacer, a second Laminated Solar Glass layer and a third Laminated Glass layer. These layers can exhibit various configurations, such as the following:

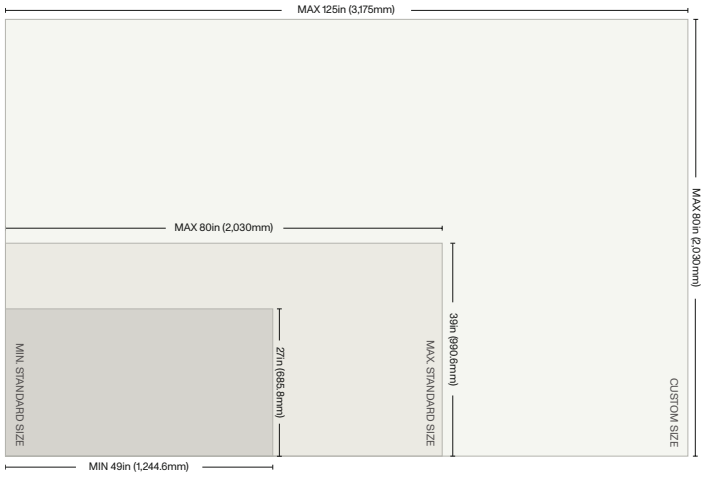
Double Layer Insulated Glass Unit (IGU) Layers

	• Imperial	• Metric
a./e./h./j. Low Iron Glass	0.11in (Opaque only), 0.15in, & 0.23in	3mm (Opaque only), 4mm, & 6mm
b./d. Encapsulant	Good radiation transmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.	
c. Solar Cells	Mono-crystalline (6.25in x 6.25in)	Mono-crystalline (158.75mm x 158.75mm)
g. Junction Box	Junction box is an enclosure where the PV strings are connected through bypass diodes. The cables carry MC4 connectors and work as PV outputs.	
f./i. Spacer	0.47in, (0.23in to 0.98in)	12mm, (6mm to 25mm)



Glass Shapes

Rectangular



- Standard And Custom Sizes

- Flat Standard Size

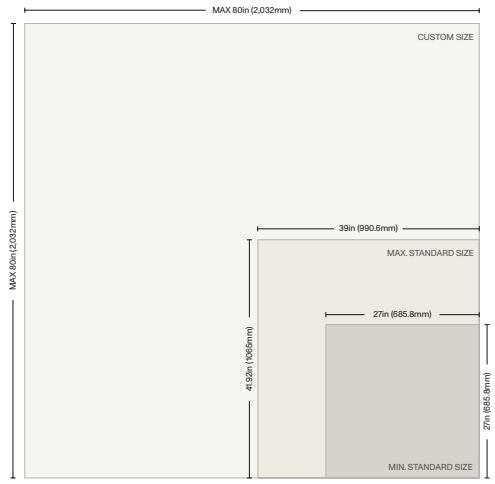
- Curved Standard Size

Mitrex standard flat glass panels serve as versatile canvases for integrating various solar cell arrangements, providing a spectrum of options for harnessing solar energy.

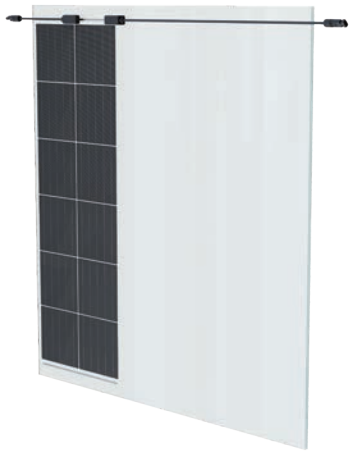
Mitrex standard curved glass panel have minimum curved radius of R=1800mm or an L/18, offering a sleek and contemporary aesthetic while also providing a unique platform for solar cell arrangements. Different solar cell configurations can be strategically placed across the glass surface, maximizing sunlight absorption throughout the day.

Glass Shapes

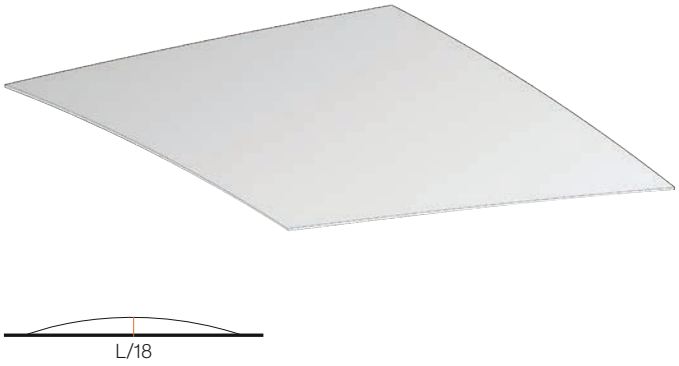
Square



- Standard And Custom Sizes



- Flat Standard Size



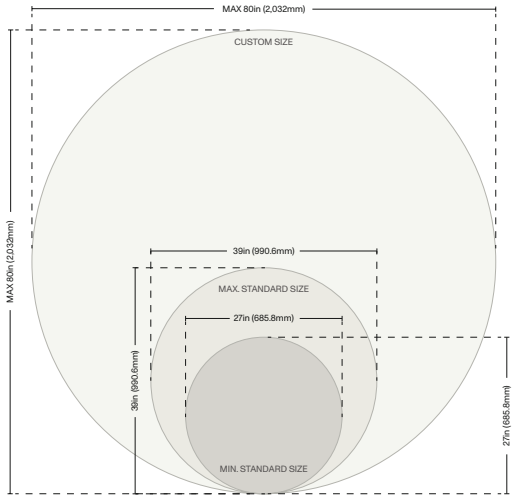
- Curved Standard Size

Mitrex's square-shaped flat glass panels offer a flexible platform for incorporating different configurations of solar cells, presenting a wide range of possibilities for capturing solar energy.

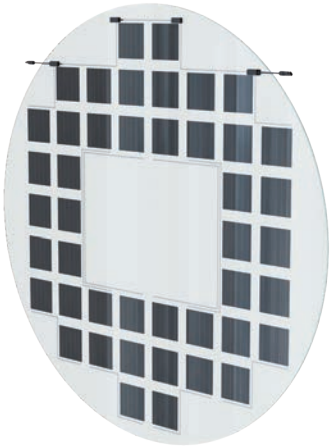
Mitrex's square-shaped curved glass panels have minimum curved radius of R=1800mm or an L/18, offering a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

Glass Shapes

Circle

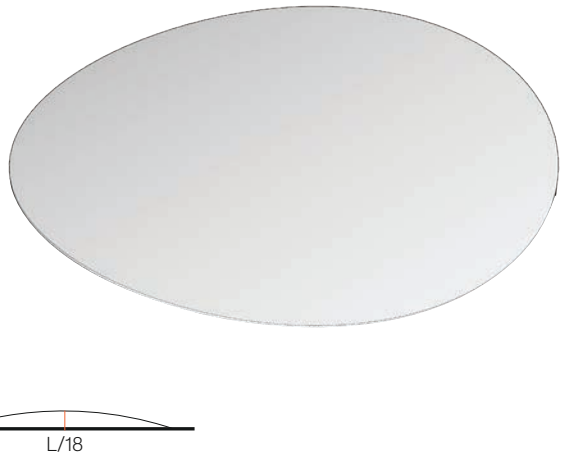


- Standard And Custom Sizes



- Flat Standard Size

Mitrex's circular-shaped flat glass panels provide versatility for integrating various arrangements of solar cells, offering numerous opportunities to capture solar energy.

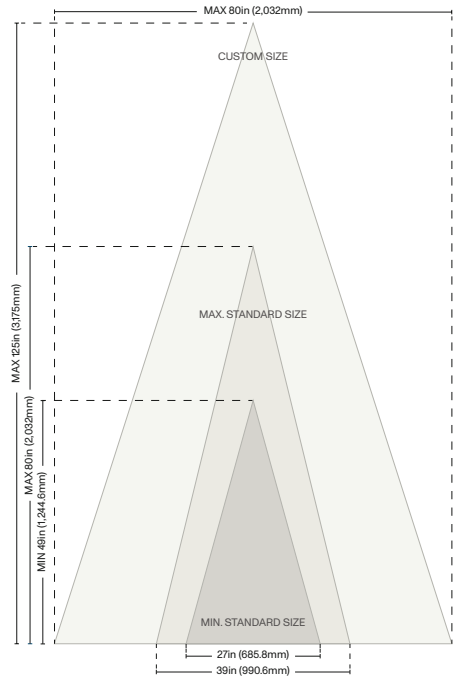


- Curved Standard Size

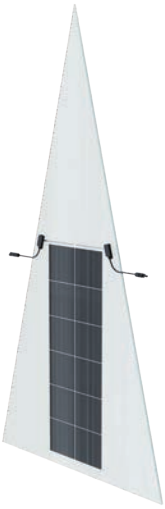
Mitrex circular-shaped curved glass panel have minimum curved radius of R=1800mm or an L/18, offering a sleek and contemporary aesthetic while also providing a unique platform for solar cell arrangements. Different solar cell configurations can be strategically placed across the glass surface, maximizing sunlight absorption throughout the day.

Glass Shapes

Isosceles Triangle

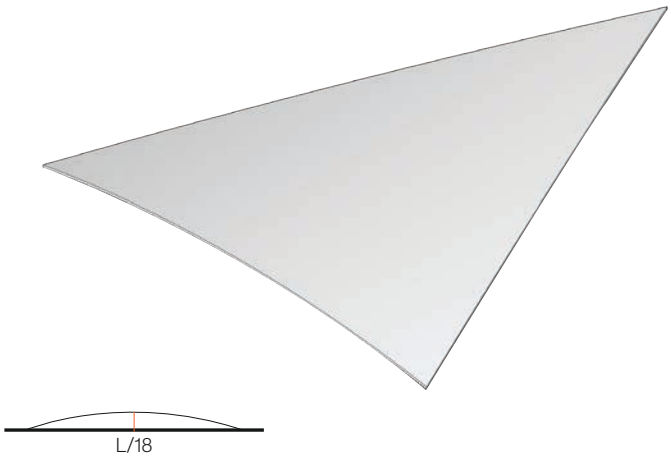


- Standard And Custom Sizes



- Flat Standard Size

Mitrex Isosceles flat glass panels offer distinct design possibilities for integrating diverse solar cell arrangements, catering to both aesthetic appeal and power optimization. The isosceles panels, with their asymmetrical shape, enable creative placements of solar cells, allowing for unique and unconventional configurations that can enhance the visual appeal of structures.

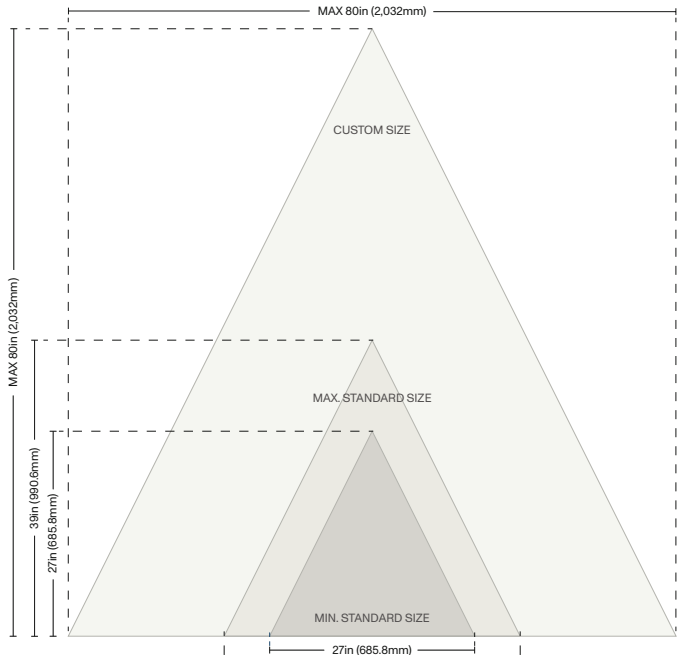


- Curved Standard Size

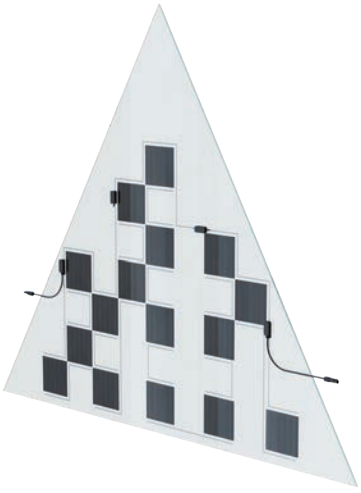
Mitrex's triangular-shaped curved glass panels have minimum curved radius of R=1800mm or an L/18, offering a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

Glass Shapes

Equilateral Triangle

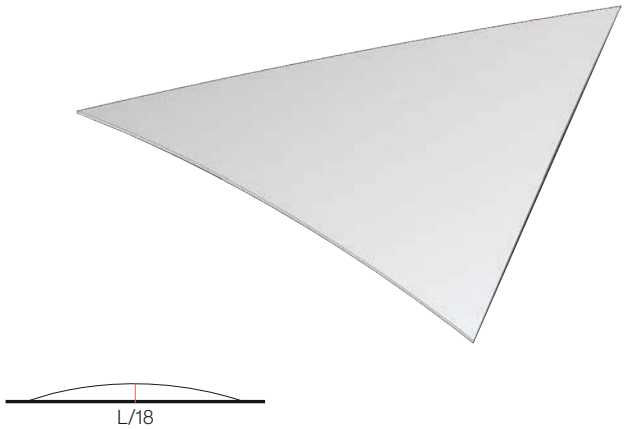


- Standard And Custom Sizes



- Flat Standard Size

Mitrex equilateral triangle flat glass panels offer distinct design possibilities for integrating diverse solar cell arrangements, catering to both aesthetic appeal and power optimization. Equilateral panels, on the other hand, provide a symmetrical and uniform canvas for arranging solar cells in standard or tailored patterns, maximizing power generation while maintaining a clean and consistent design.

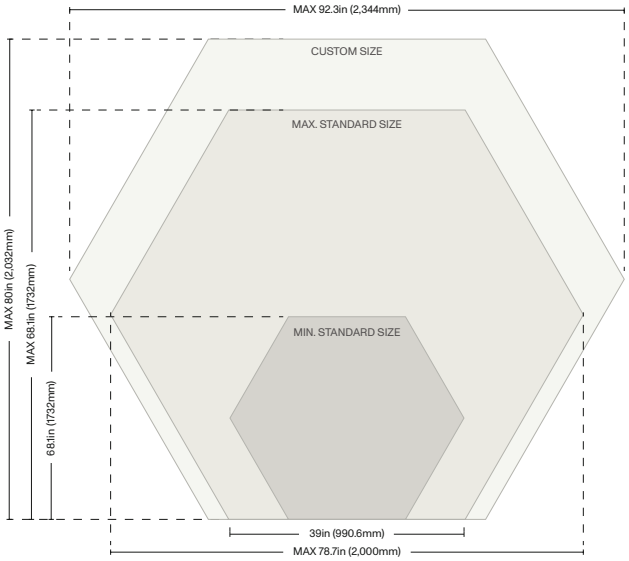


- Curved Standard Size

Mitrex's triangular-shaped curved glass panels have minimum curved radius of R=1800mm or an L/18, offering a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

Glass Shapes

Hexagonal



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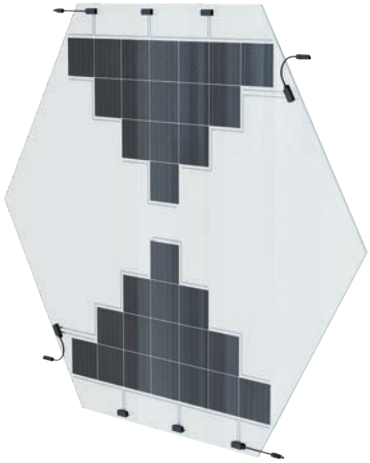
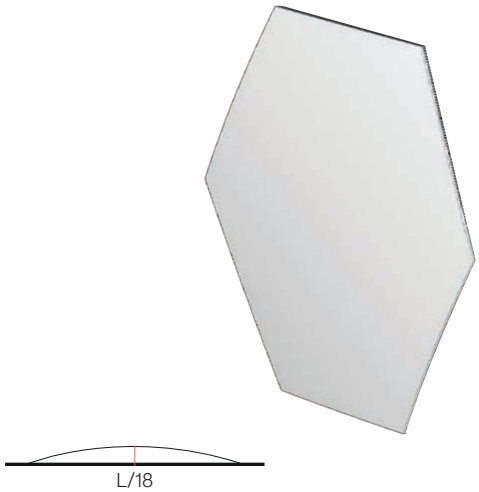


- Flat Standard Size



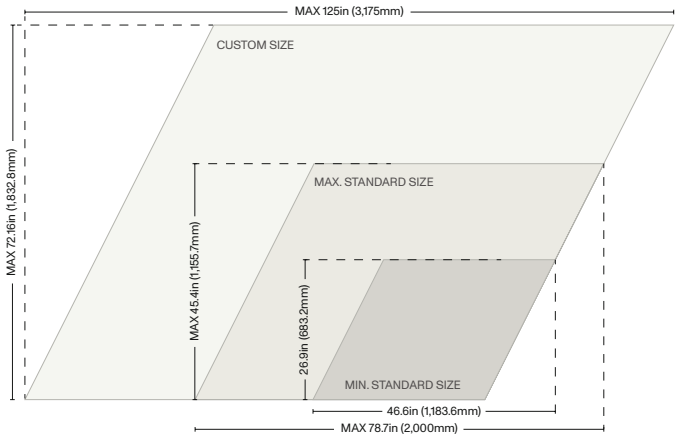
- Curved Standard Size

Mitrex hexagonal glass shapes represent a dynamic canvas for integrating diverse solar cell arrangements, offering an innovative blend of design flexibility and enhanced power generation. The unique geometry of hexagonal panels allows for creative configurations of solar cells, adapting seamlessly to unconventional patterns that augment both the aesthetics and functionality of installations.

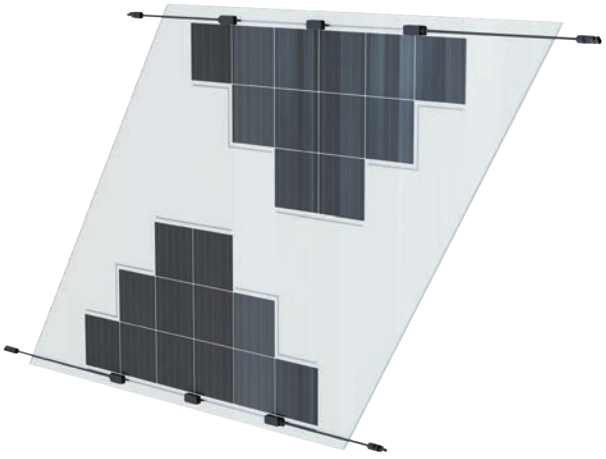
Mitrex's hexagonal-shaped curved glass panels have minimum curved radius of R=1800mm or an L/18, offeringa sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

Glass Shapes

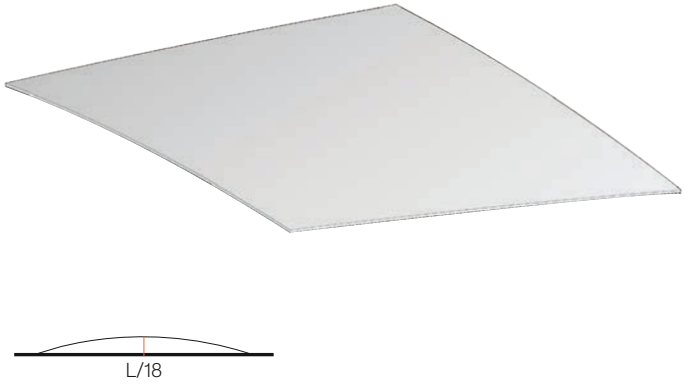
Parallelogram



- Standard And Custom Sizes



- Flat Standard Size



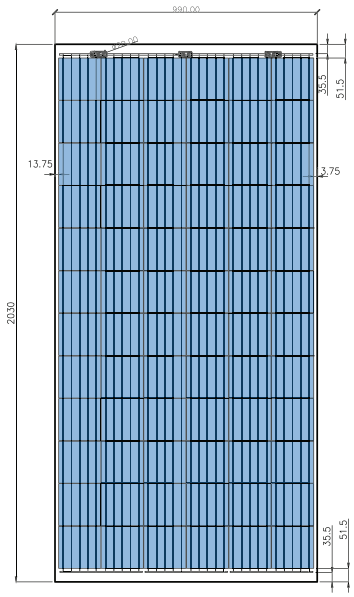
- Curved Standard Size

Mitrex parallelogram-shaped glass panels introduce a new dimension of design versatility, offering a canvas for diverse solar cell arrangements that amplify both the aesthetic allure and energy efficiency of structures. The unique angles and lines of parallelogram panels provide an unconventional yet adaptable space for creative configurations of solar cells. This shape allows for tailored arrangements, maximizing exposure to sunlight and optimizing energy generation.

Mitrex's parallelogram-shaped curved glass panels have minimum curved radius of R=1800mm or an L/18, offering a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

Cells Arrangement

Rectangular Shape



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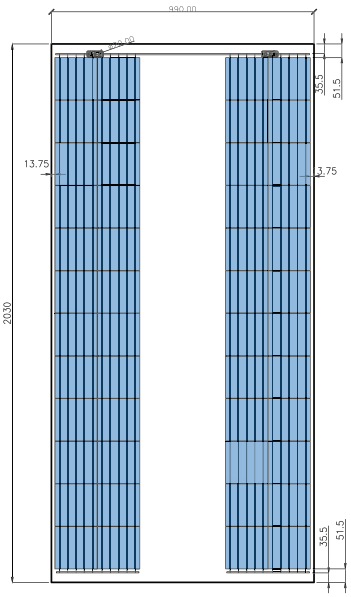

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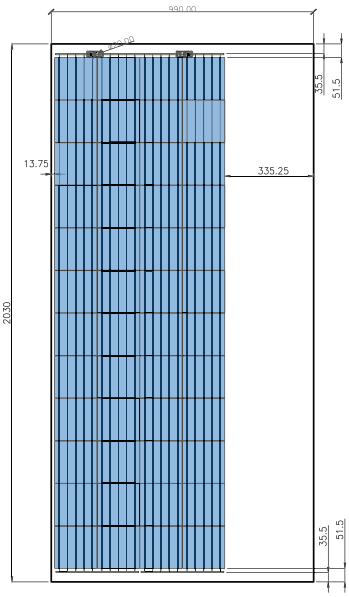

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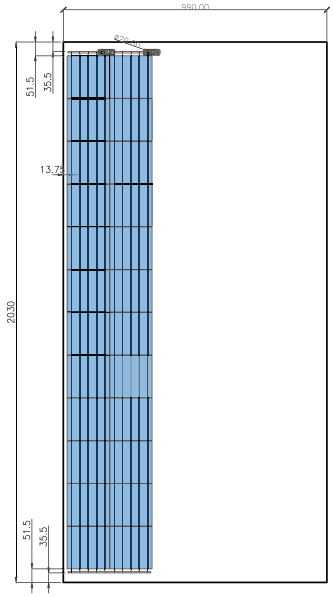

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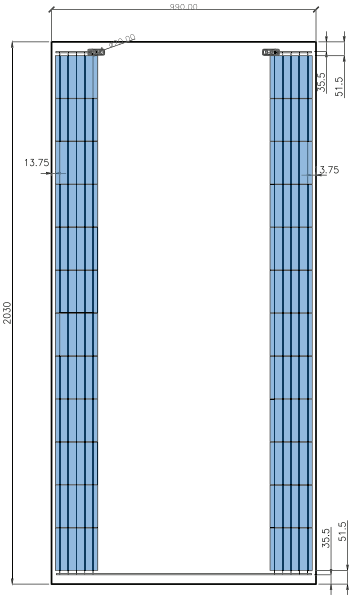

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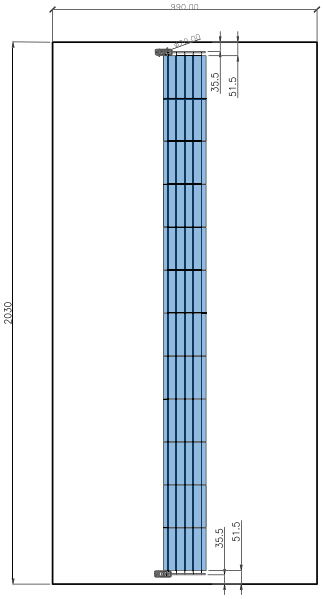
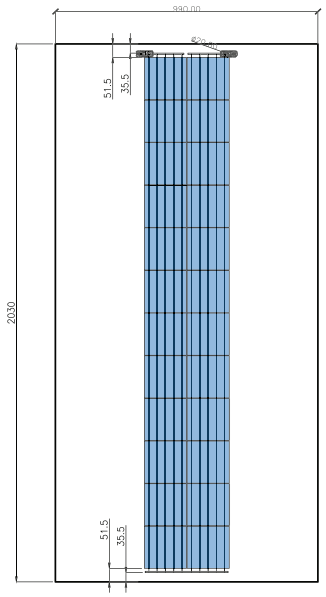


A6

Cells Arrangement

Rectangular Shape



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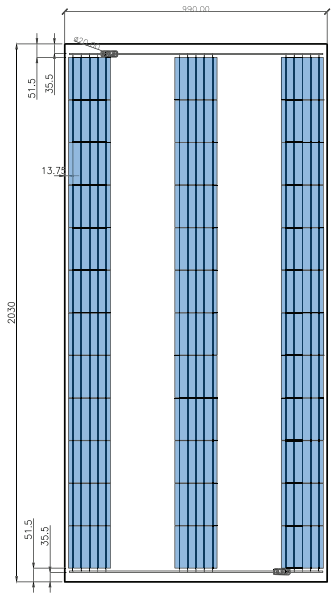

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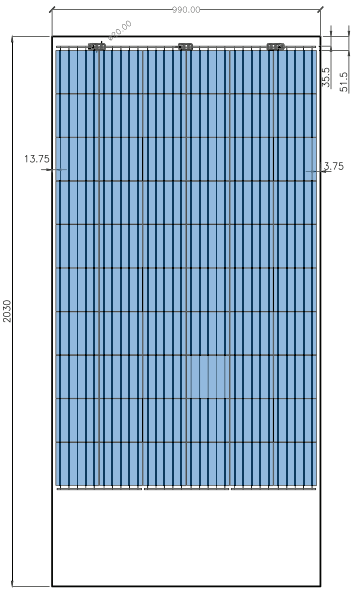

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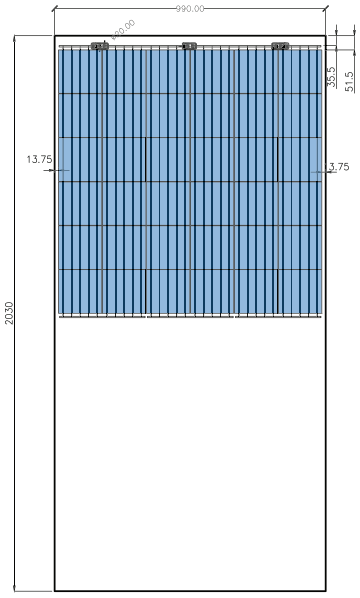

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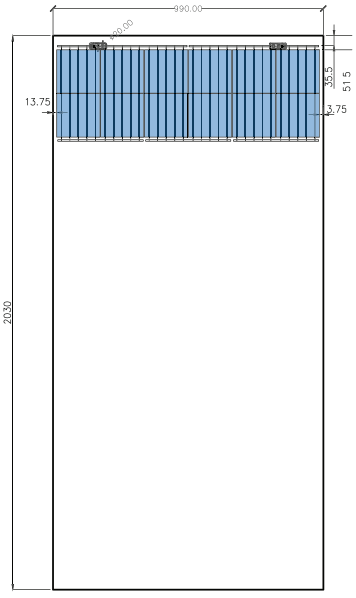

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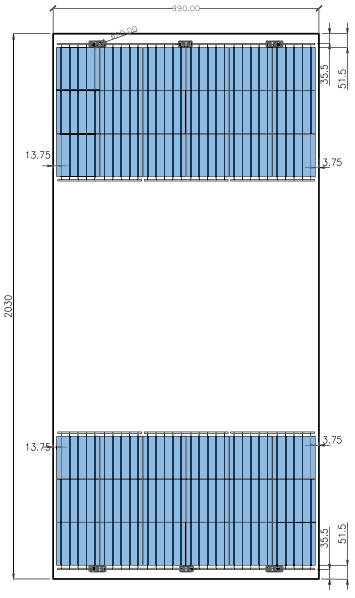

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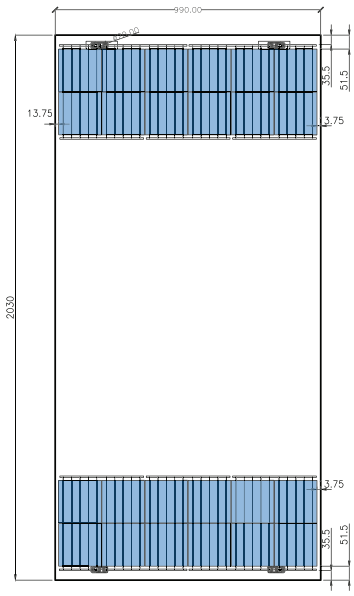
Cells Arrangement

Rectangular Shape



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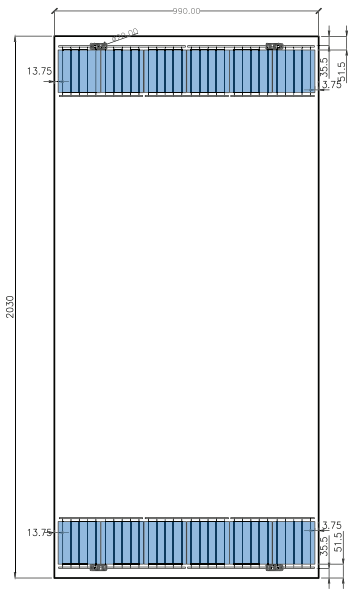

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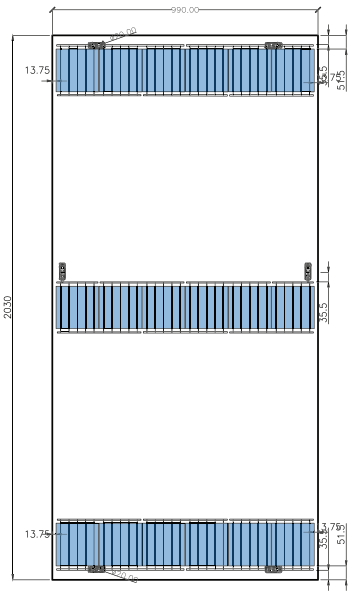

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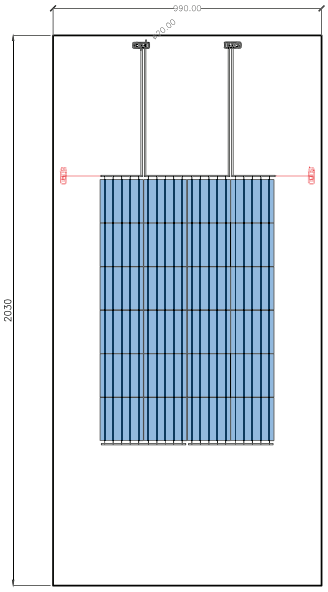

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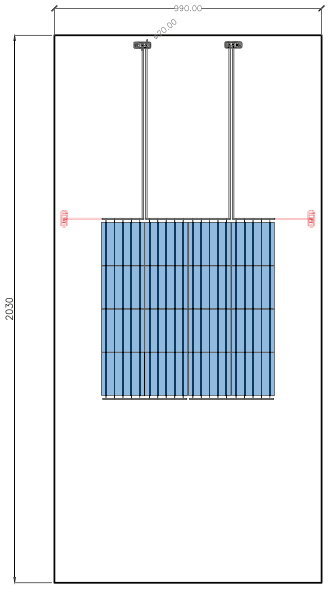

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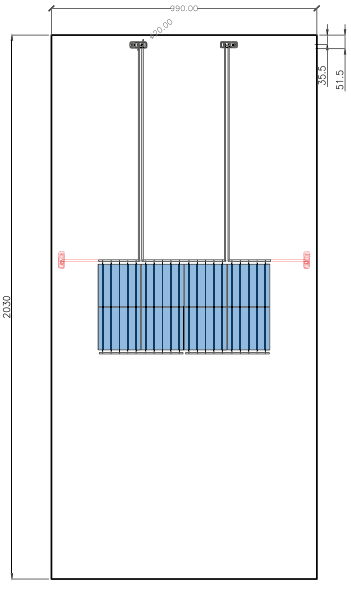

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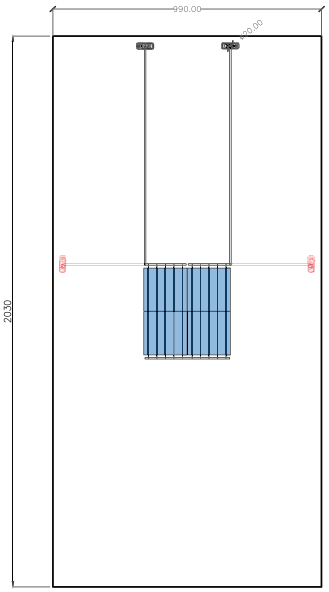
Cells Arrangement

Rectangular Shape



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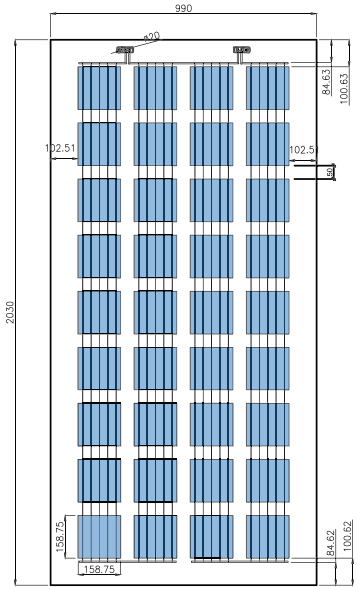
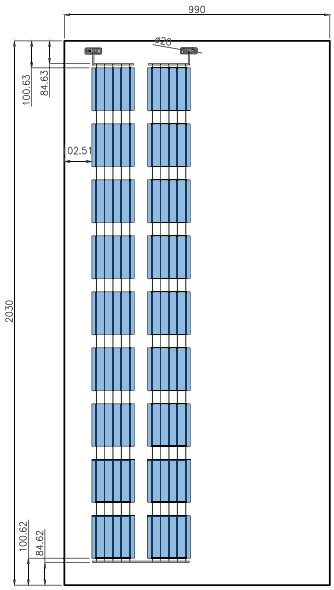
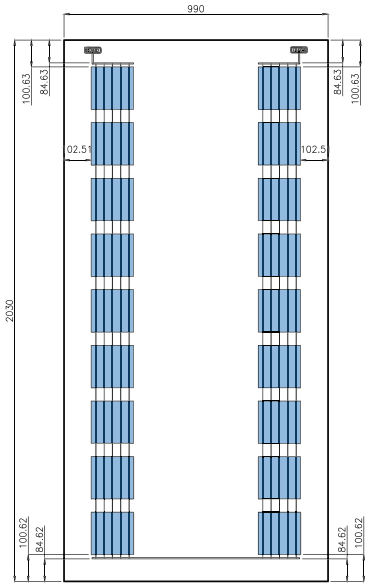


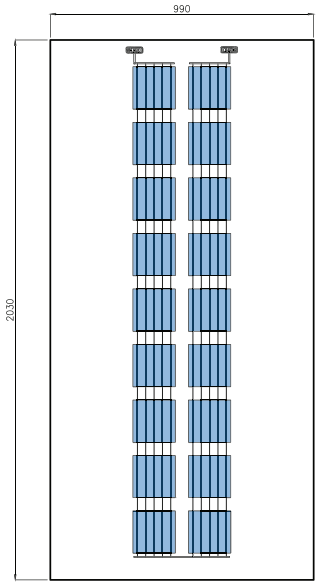
A111



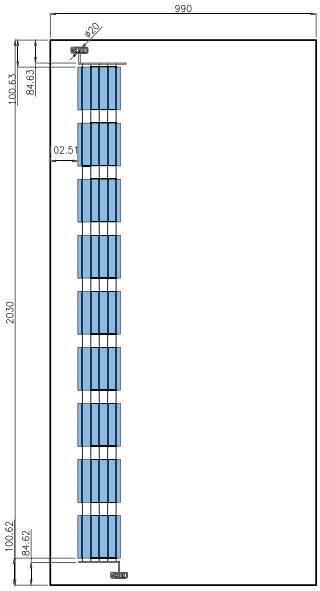
A112



A113



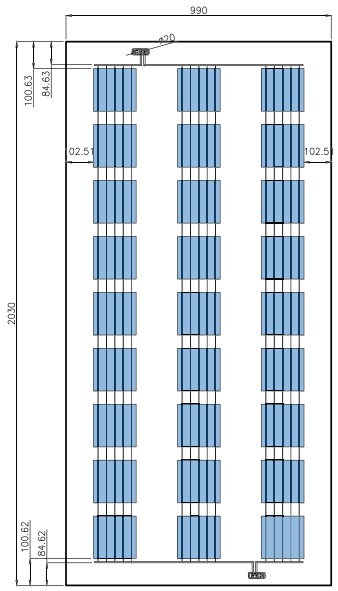
A114



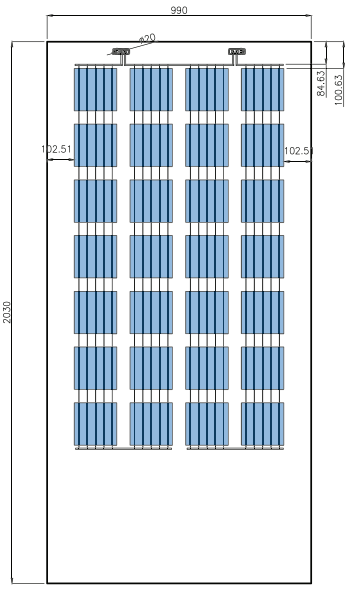
A115

Cells Arrangement

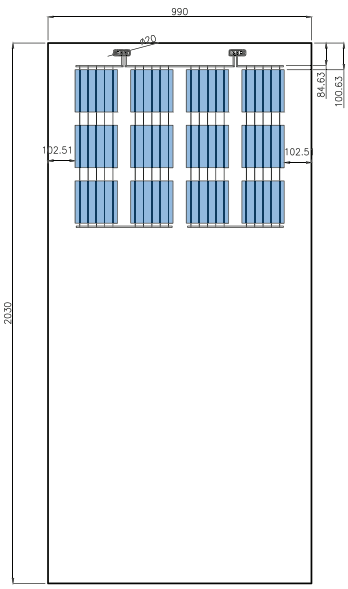
Rectangular Shape



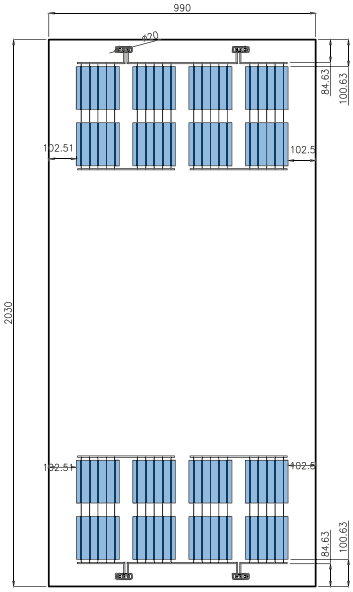
A116



A121



A122



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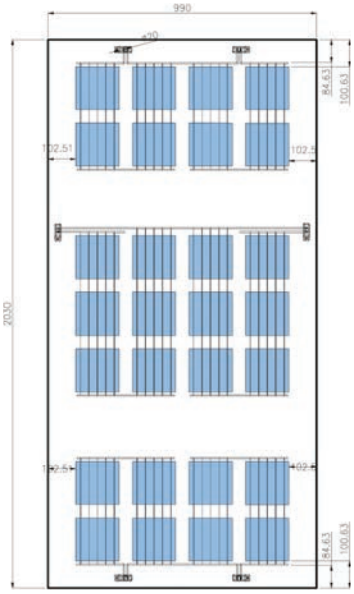
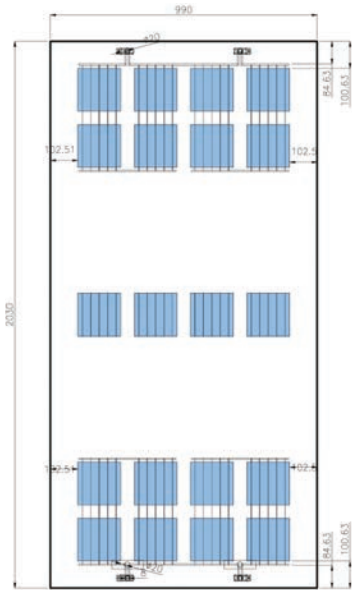


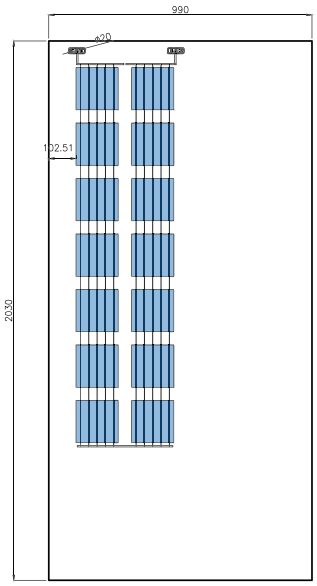
A124



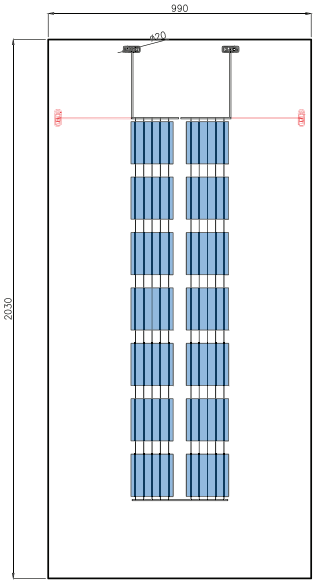
A125

Cells Arrangement

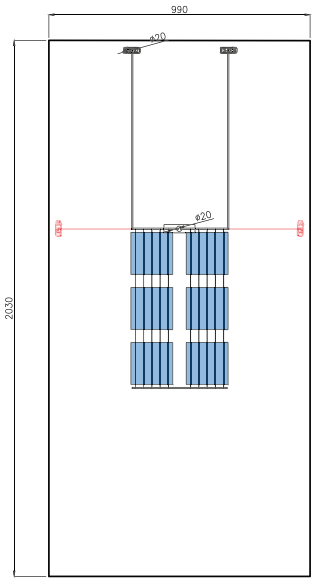
Rectangular Shape



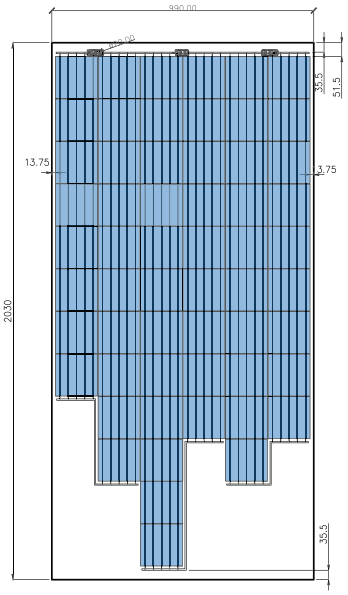
A126



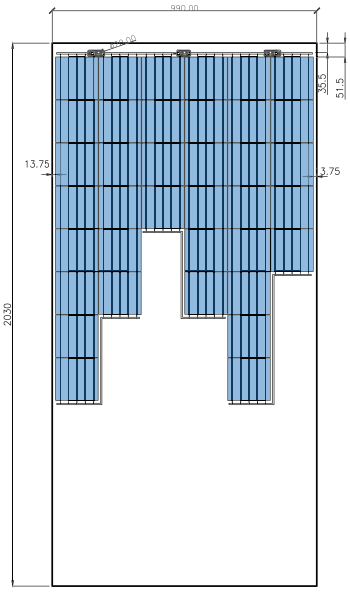
A127



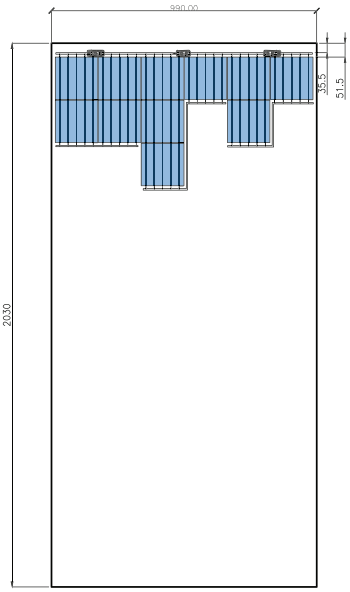
A128



A41



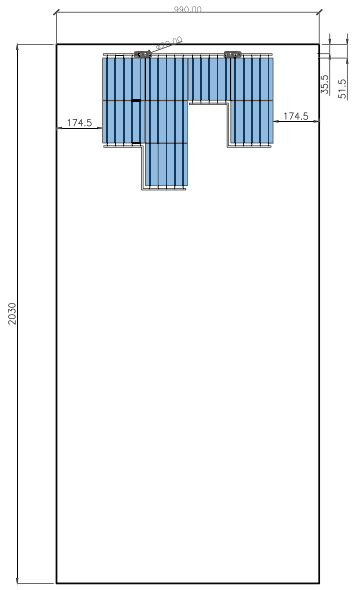
A42



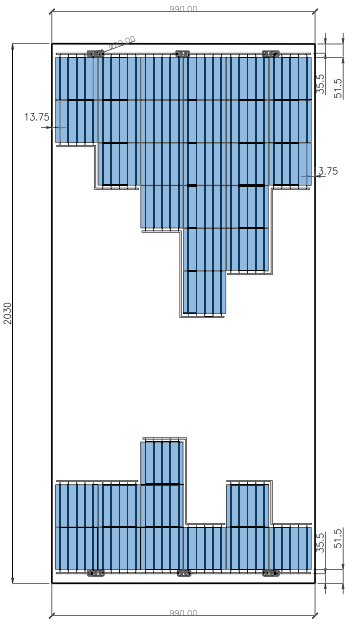
A43

Cells Arrangement

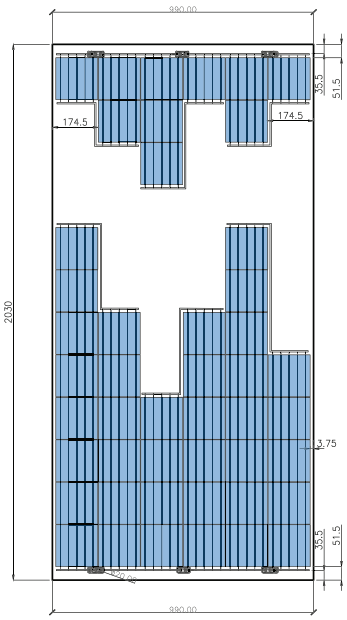
Rectangular Shape



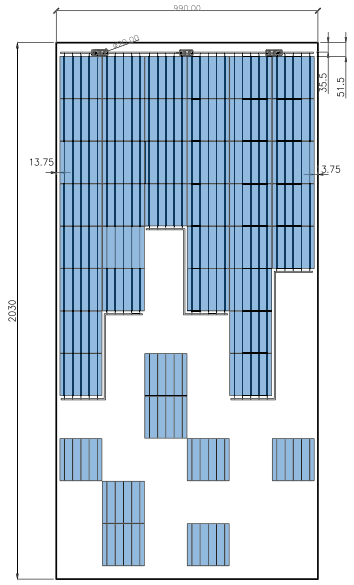
A44



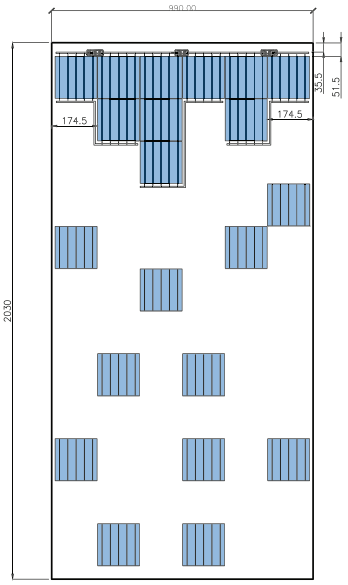
A45



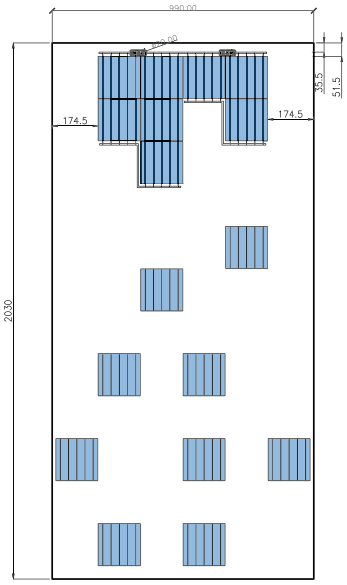
A46



A51



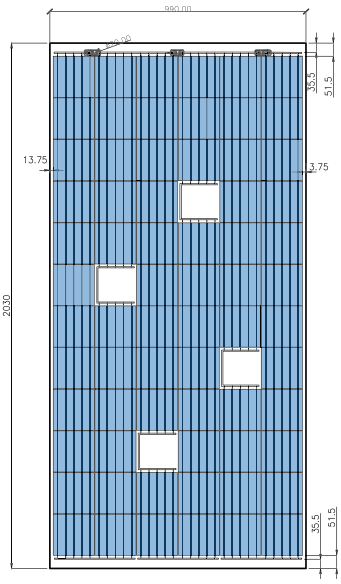
A52



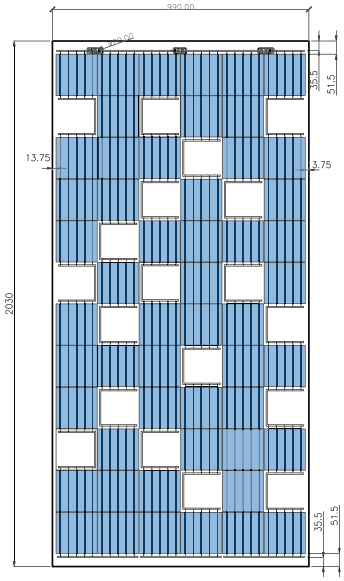
A53

Cells Arrangement

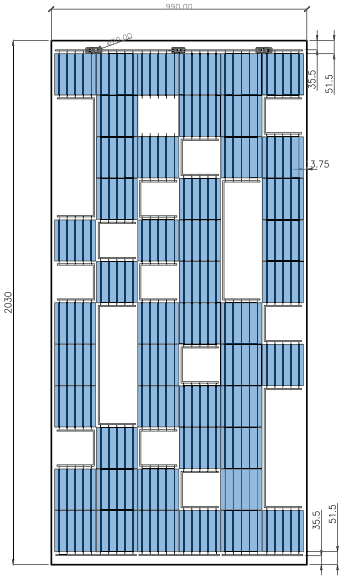
Rectangular Shape



A54



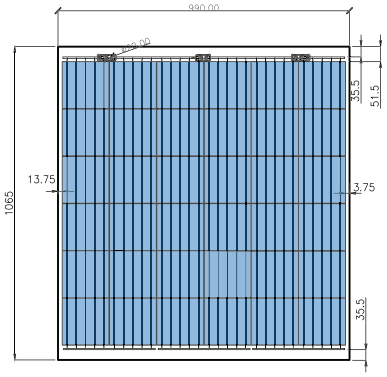
A55



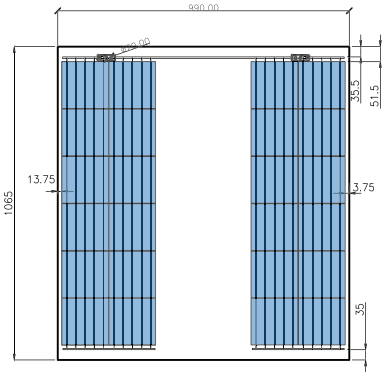
A56

Cells Arrangement

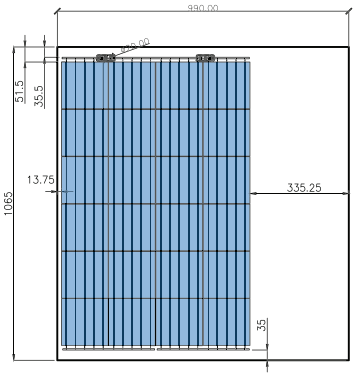
Square Shape



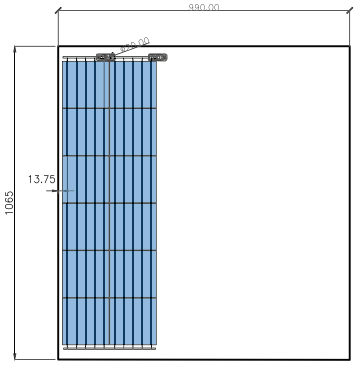
B1



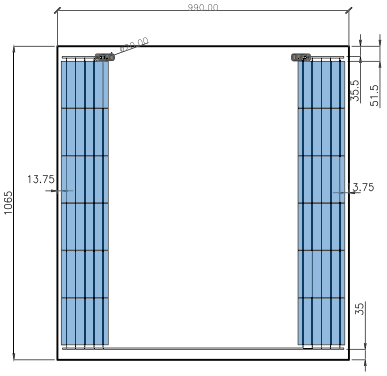
B2



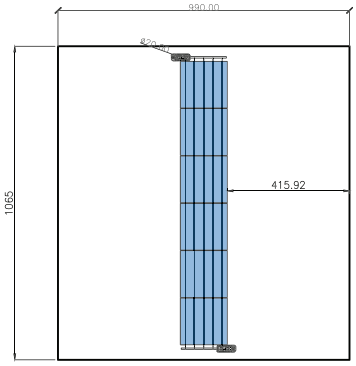
B3



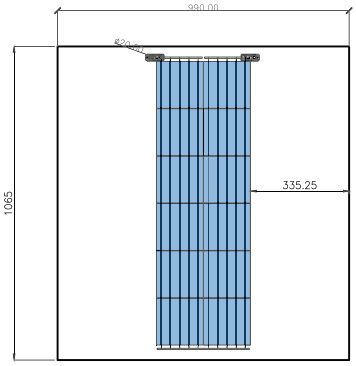
B4



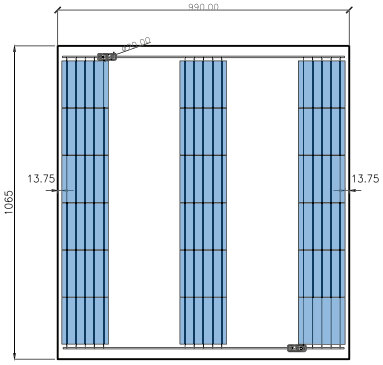
B5



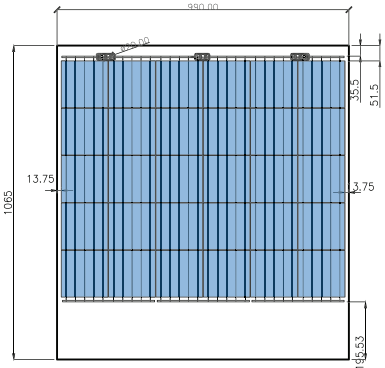
B6



B7



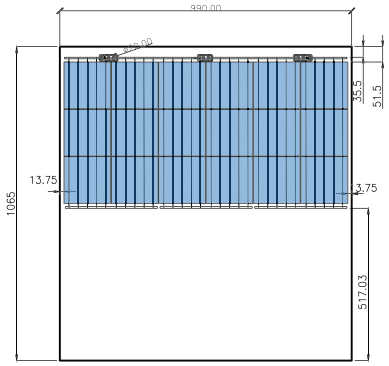
B8



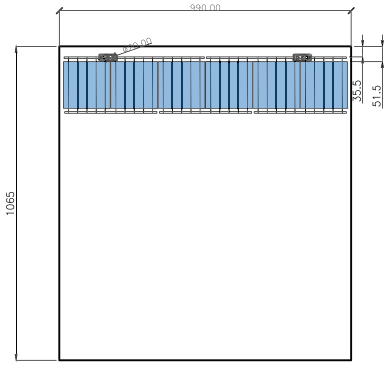
B21

Cells Arrangement

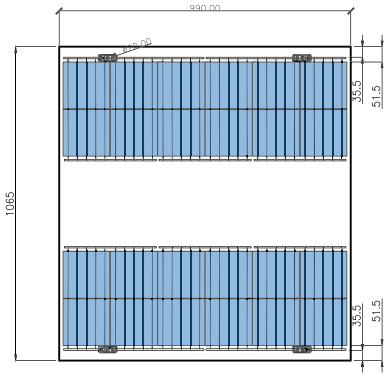
Square Shape



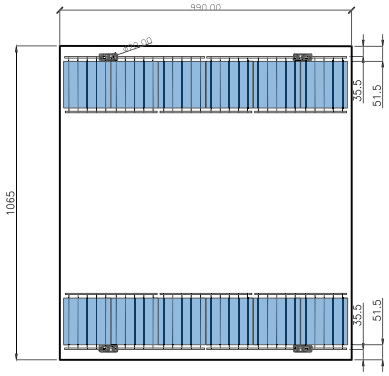
B22



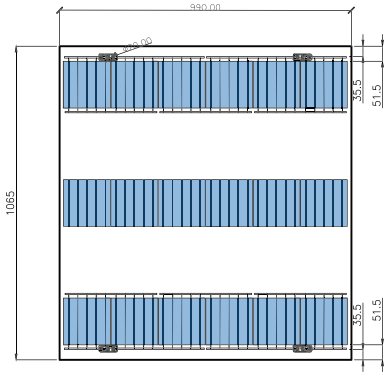
B23



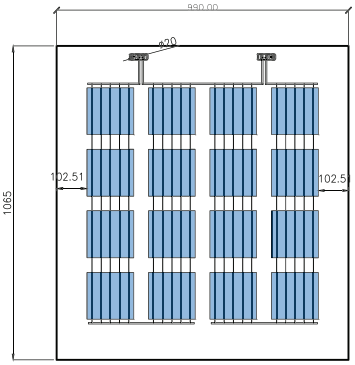
B24



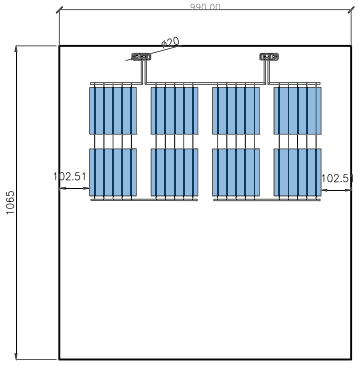
B25



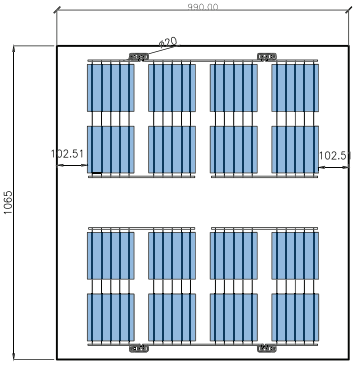
B26



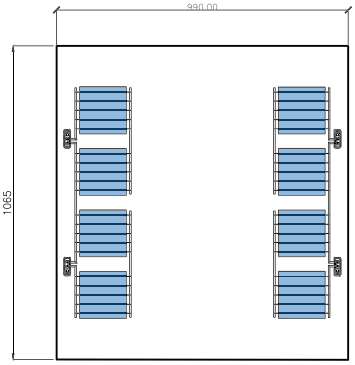
B31



B32



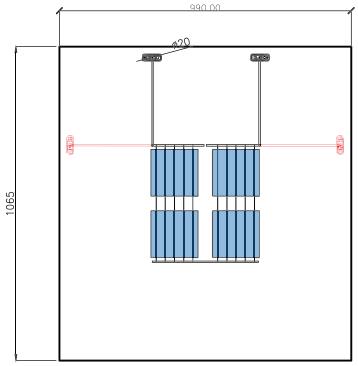
B33



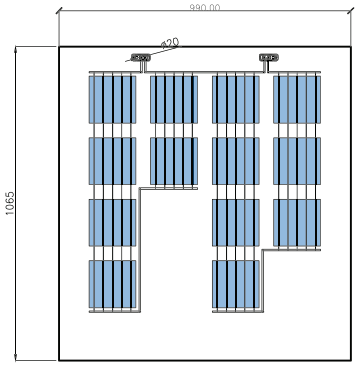
B34

Cells Arrangement

Square Shape



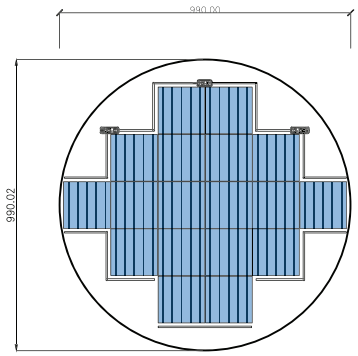
B35



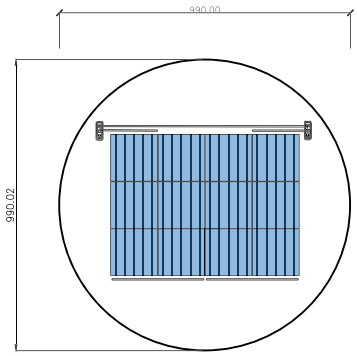
B36

Cells Arrangement

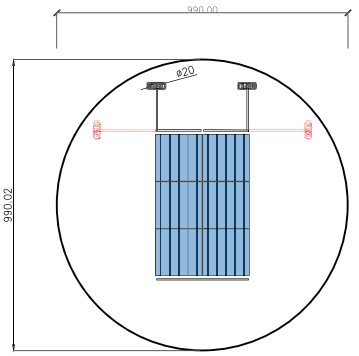
Circular Shape



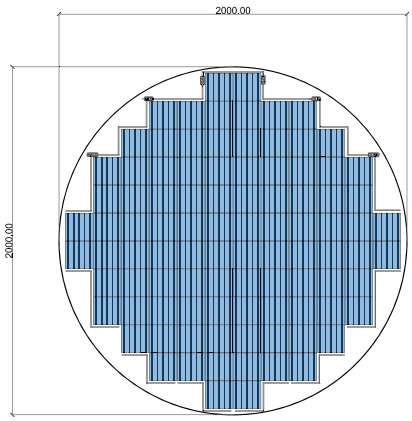
C11



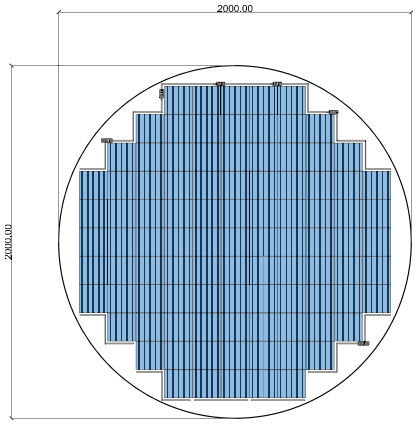
C12



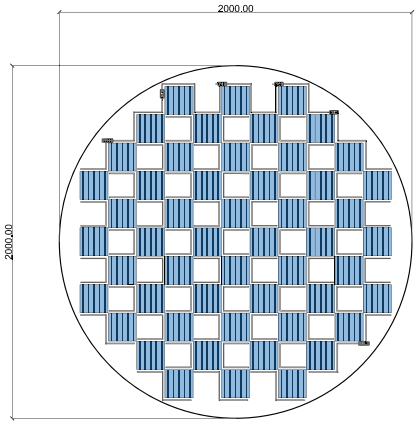
C13



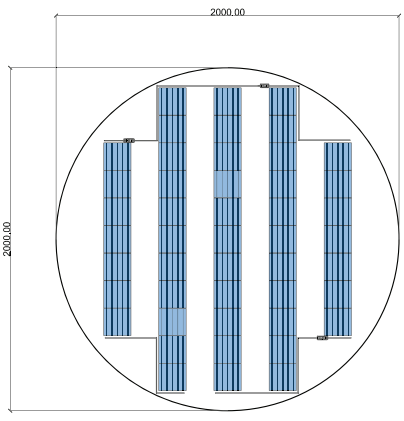
C21



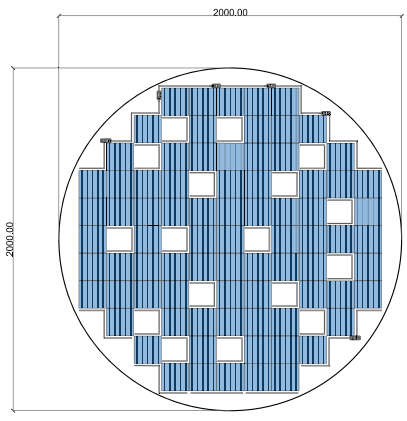
C22



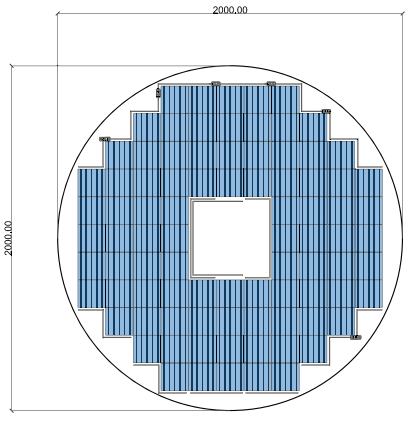
C23



C24



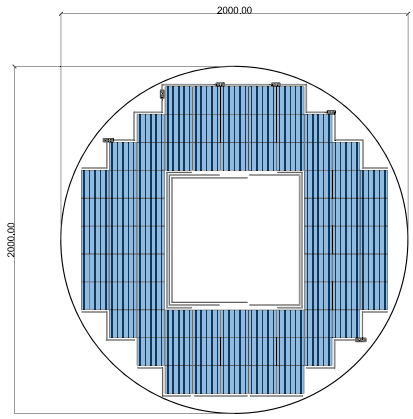
C25



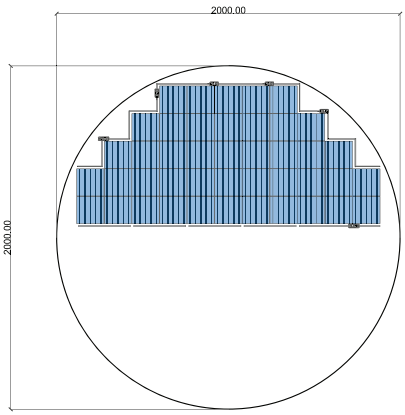
C31

Cells Arrangement

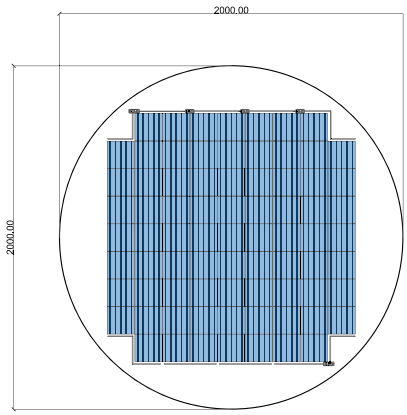
Circular Shape



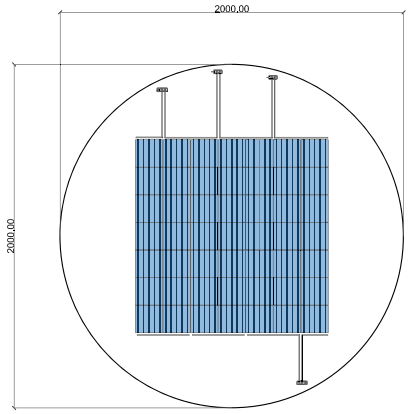
C32



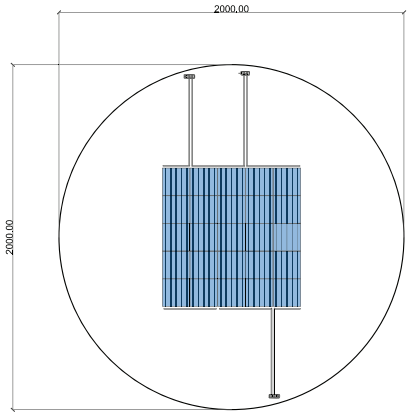
C33



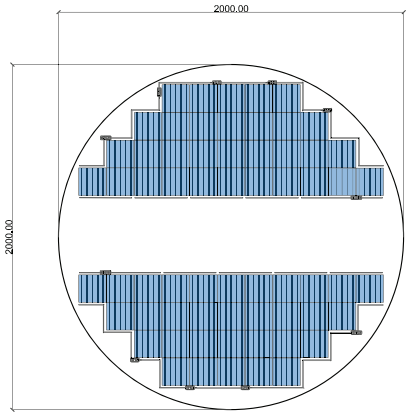
C34



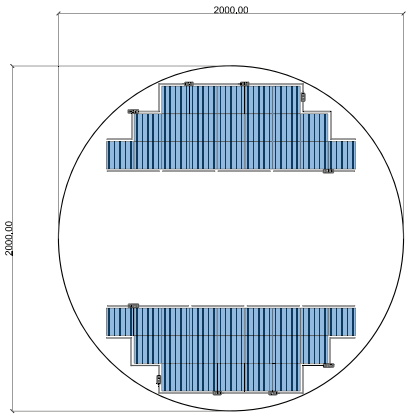
C35



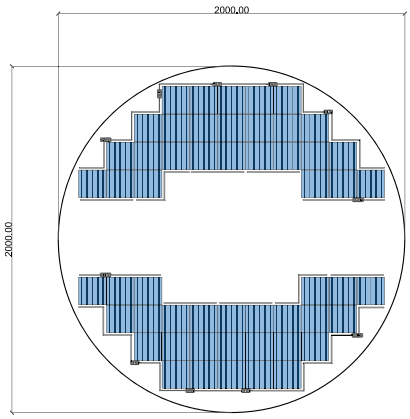
C36



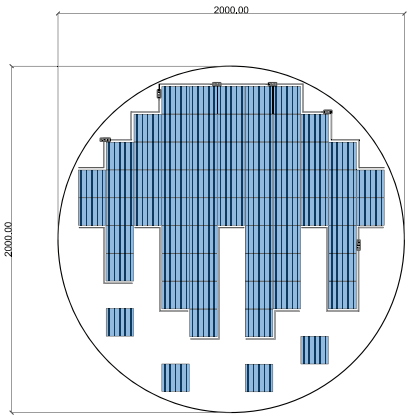
C41



C42



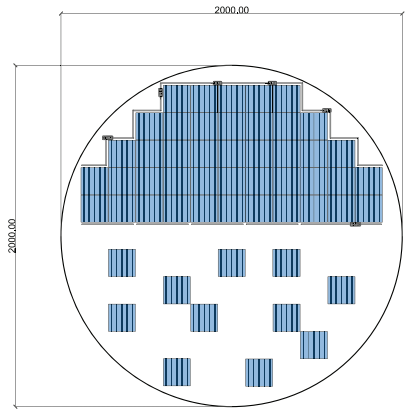
C43



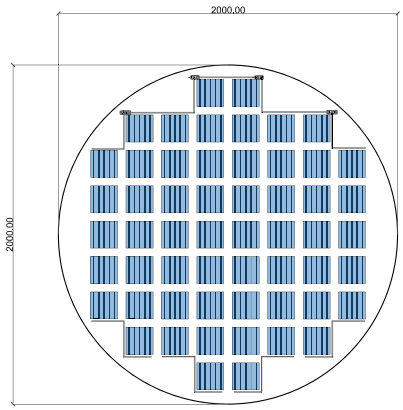
C51

Cells Arrangement

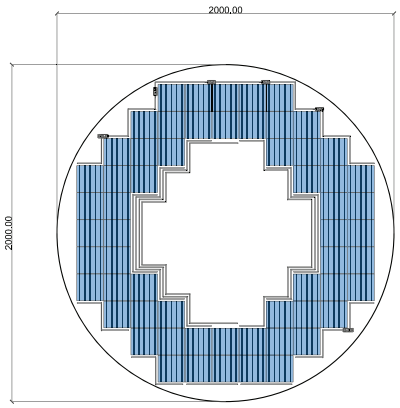
Circular Shape



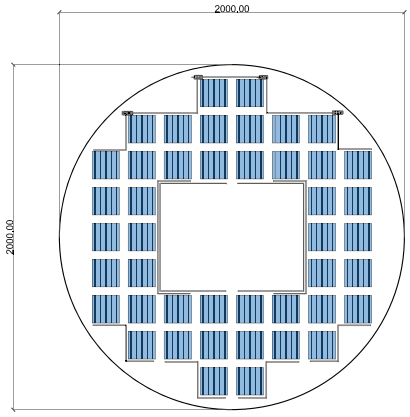
C52



C53



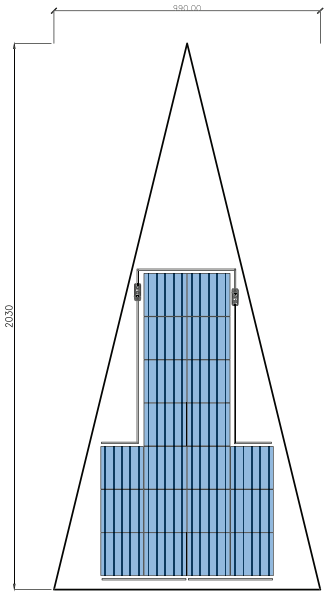
C54



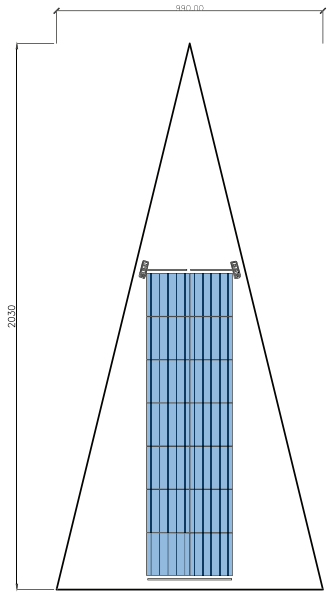
C55

Cells Arrangement

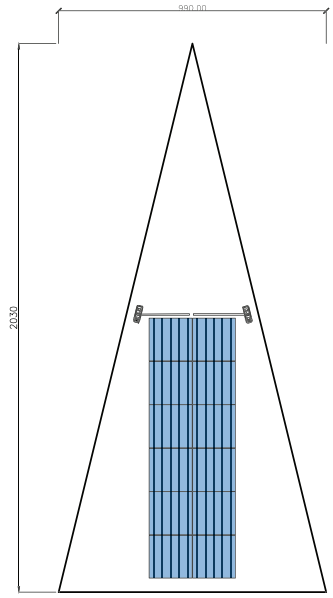
Isosceles Triangle Shape



C14



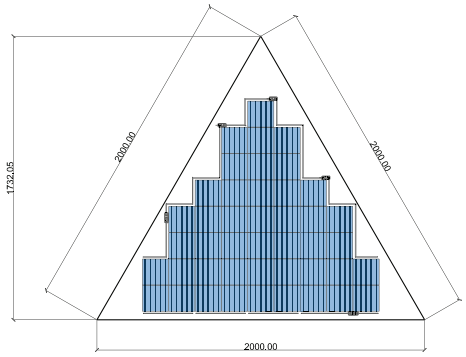
C15



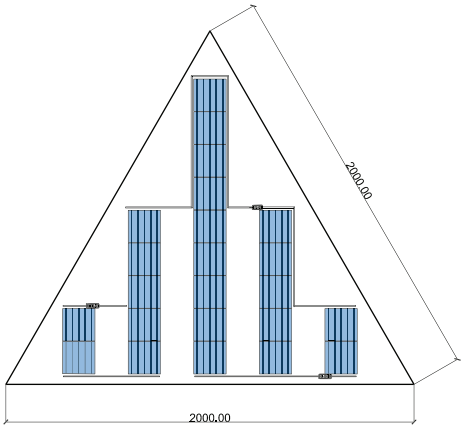
C16

Cells Arrangement

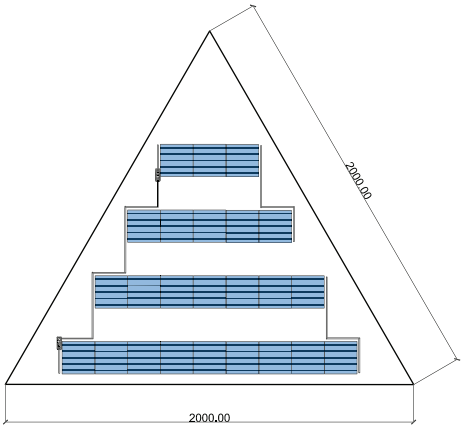
Equilateral Triangle Shape



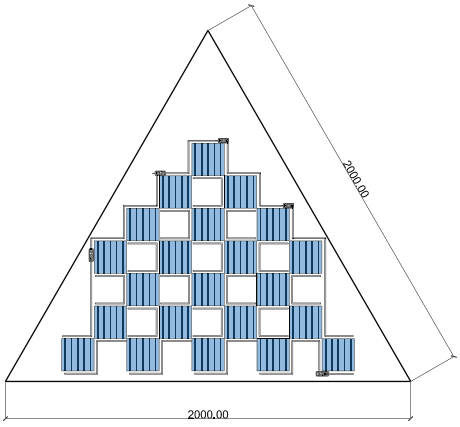
C61



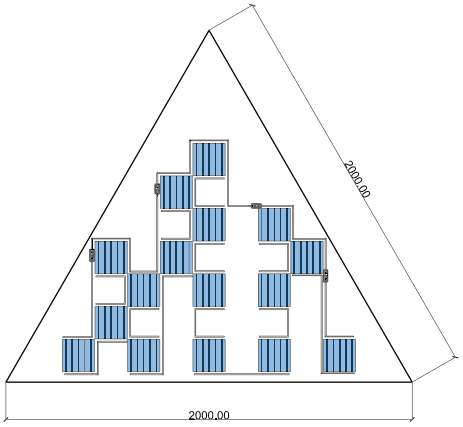
C62



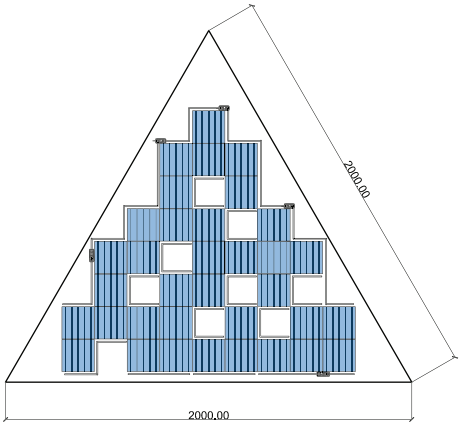
C63



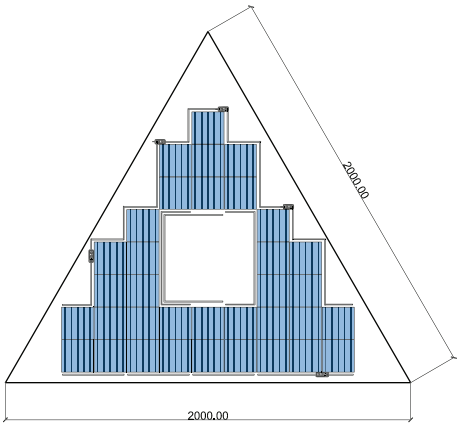
C64



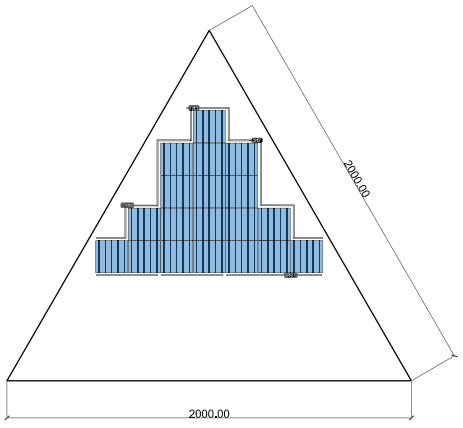
C65



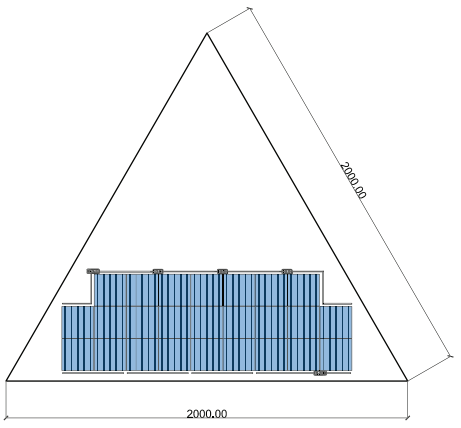
C66



C71



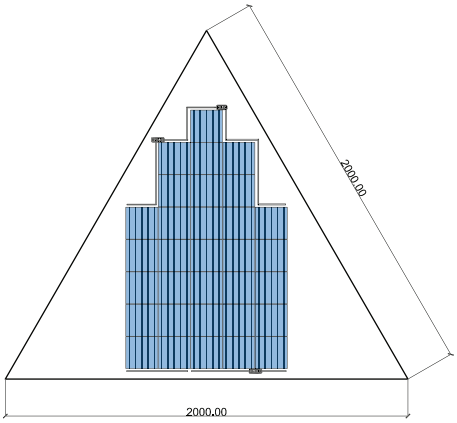
C72



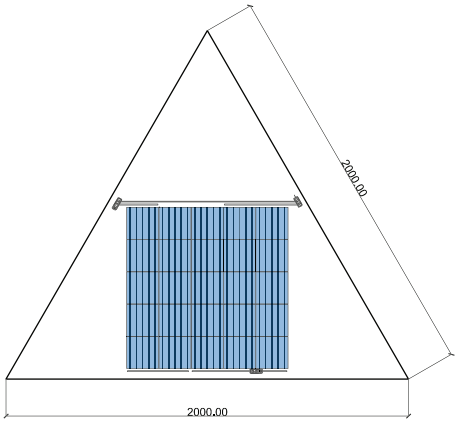
C73

Cells Arrangement

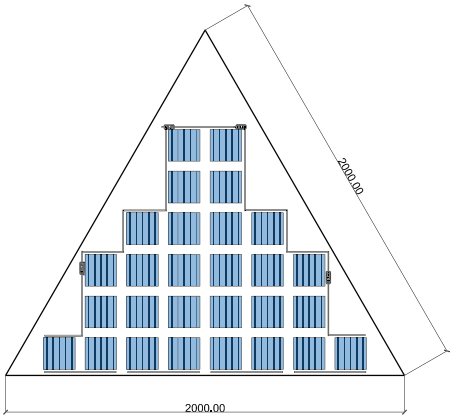
Equilateral Triangle Shape



C74



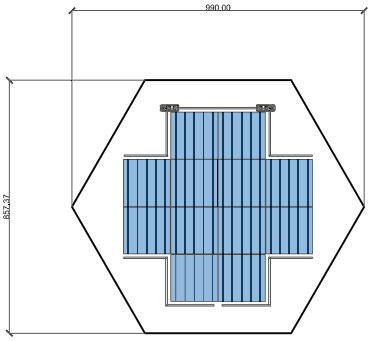
C75



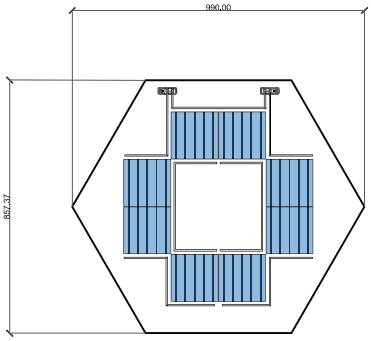
C76

Cells Arrangement

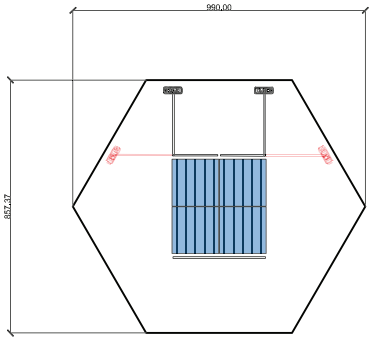
Hexagonal Shape



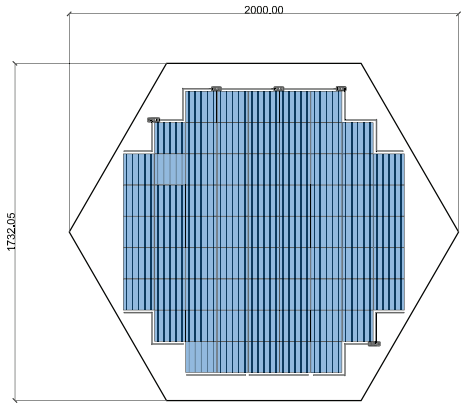
C17



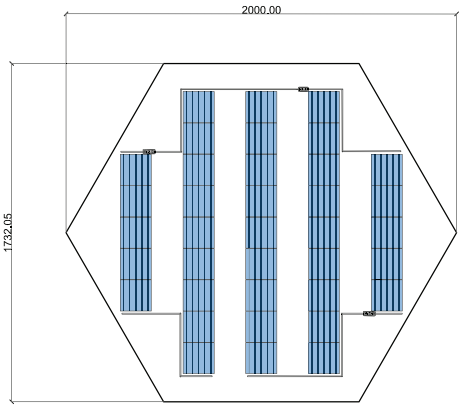
C18



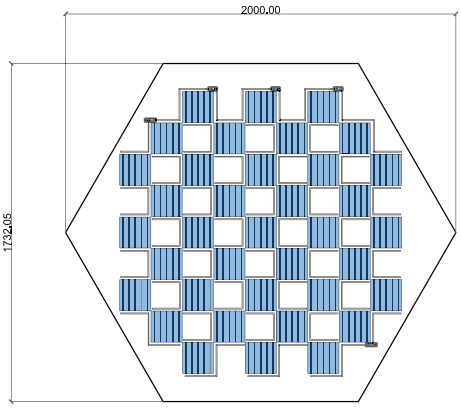
C19



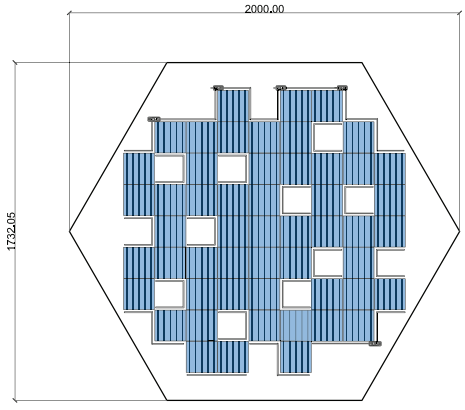
C81



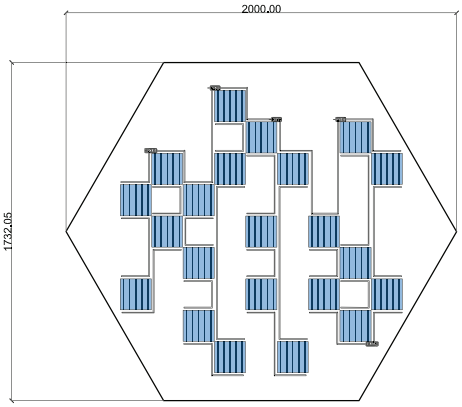
C82



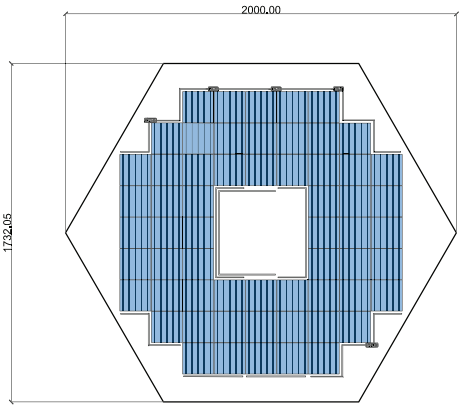
C83



C84



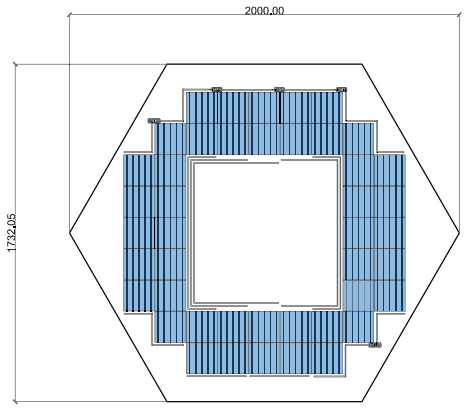
C85



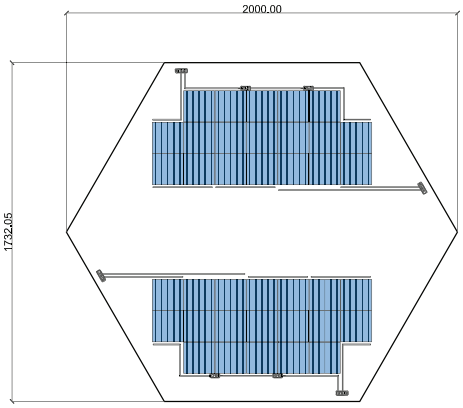
C91

Cells Arrangement

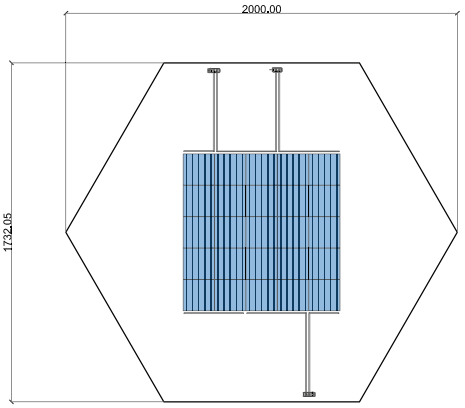
Hexagonal Shape



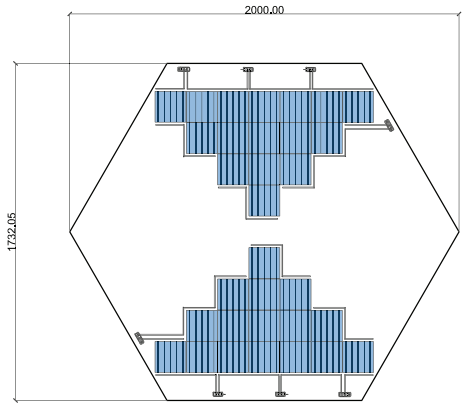
C92



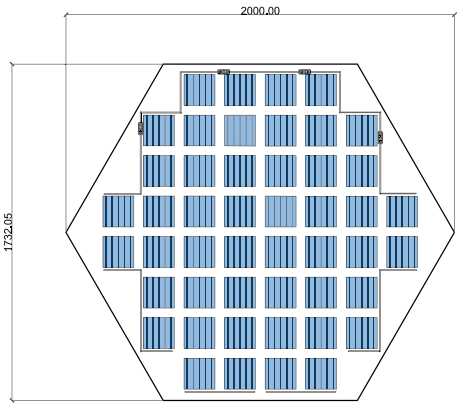
C93



C94



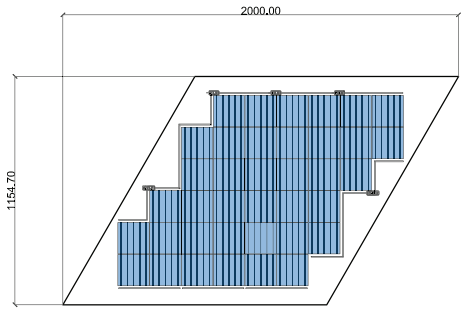
C95



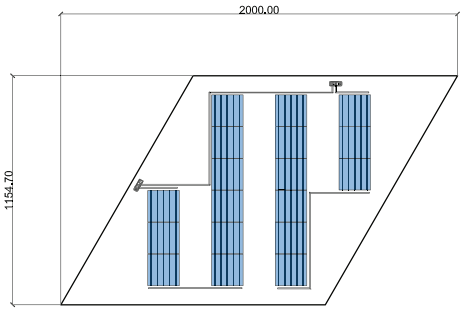
C96

Cells Arrangement

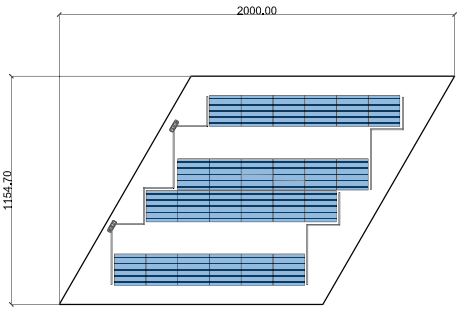
Parallelogram Shape



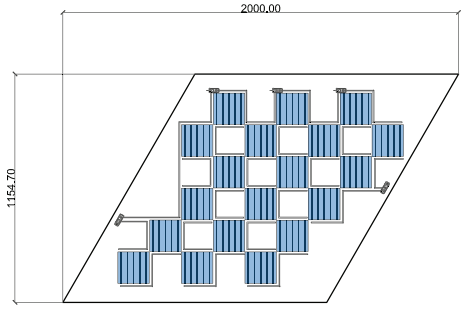
C101



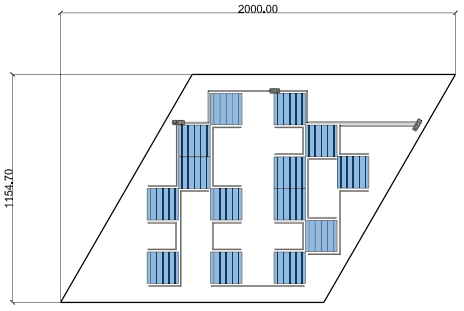
C102



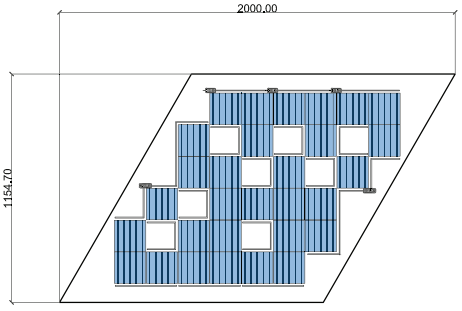
C103



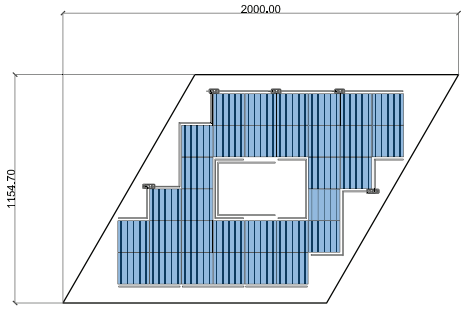
C104



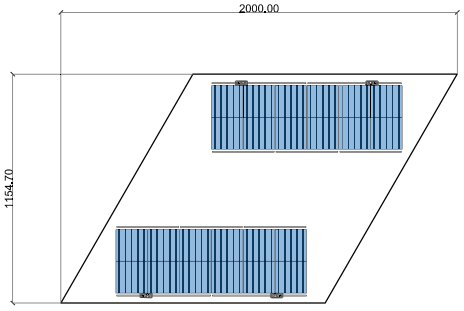
C105



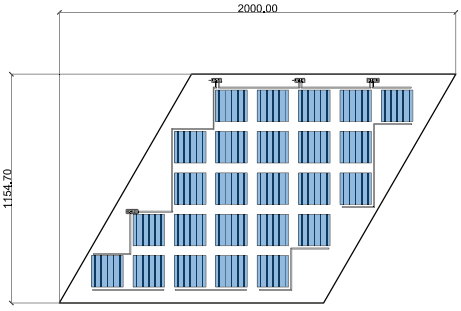
C106



C111



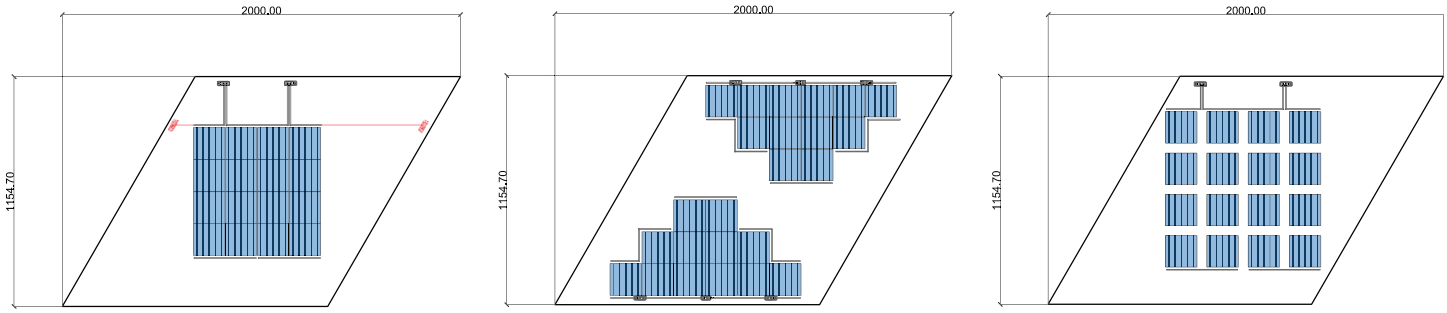
C112



C113

Cells Arrangement

Parallelogram Shape



C114 C115 C116

Solar Glass and Junction Box Position

Laminated Solar Glass

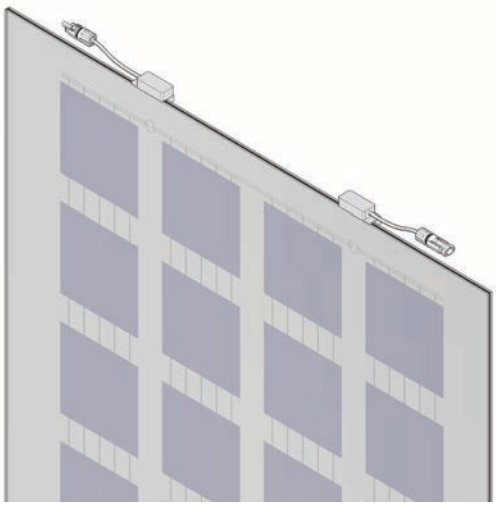
In the Mitrex solar glass, the position of the junction box can be at the front, top or back of the glass depending on the project needs.

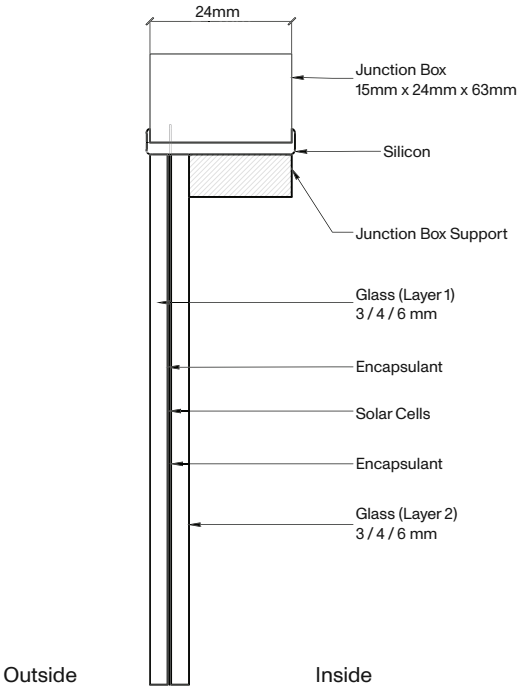
Placing the junction box on the top surface ensures easy accessibility for maintenance and inspection, simplifying wiring and connections while preserving the clean appearance of the glass front.

On the other hand, a front-mounted junction box allows for convenient access while maintaining a sleek and integrated look. However, it might be more visible, impacting the overall aesthetics.

Additionally, positioning the junction box at the back conceals wiring and connections, providing a streamlined and unobstructed front surface, enhancing the visual appeal of the structure. The choice of placement involves a careful balance between accessibility, aesthetics, and functionality, each position influencing the efficiency and visual impact of the solar setup.

Junction Box On Top

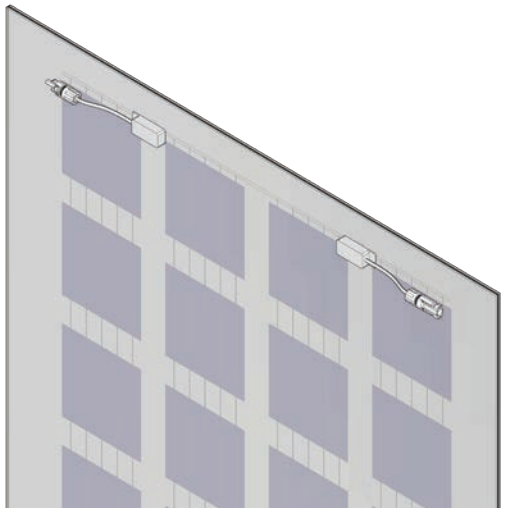


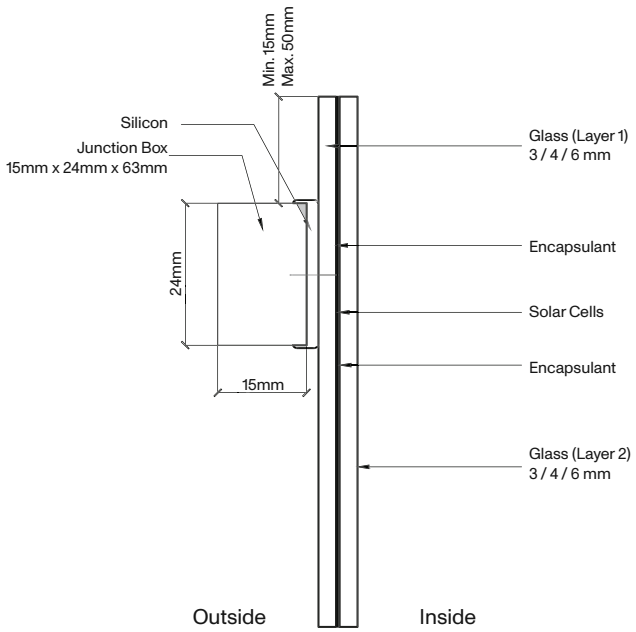


Solar Glass and Junction Box Position

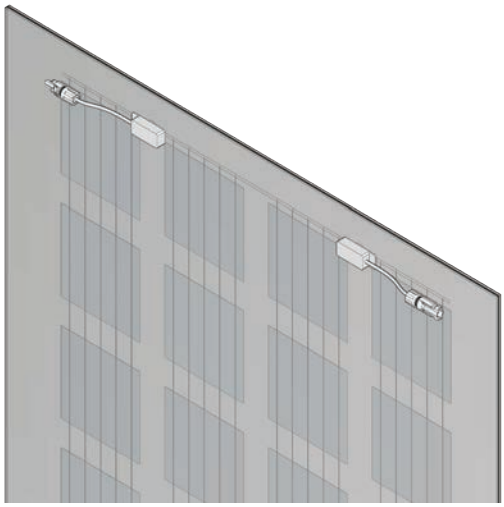
Laminated Solar Glass

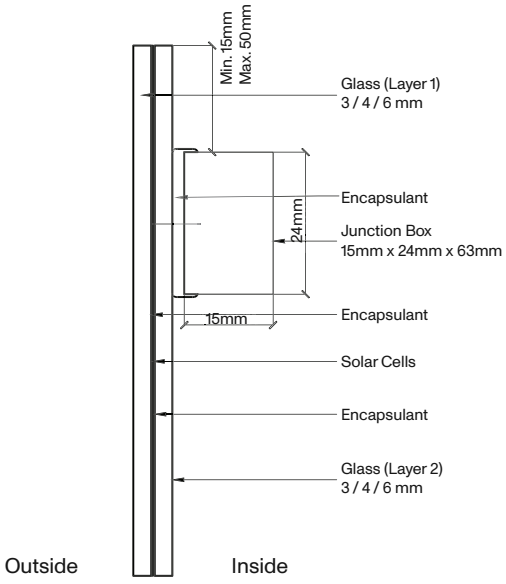
Junction Box On The Face





Junction Box At The Back

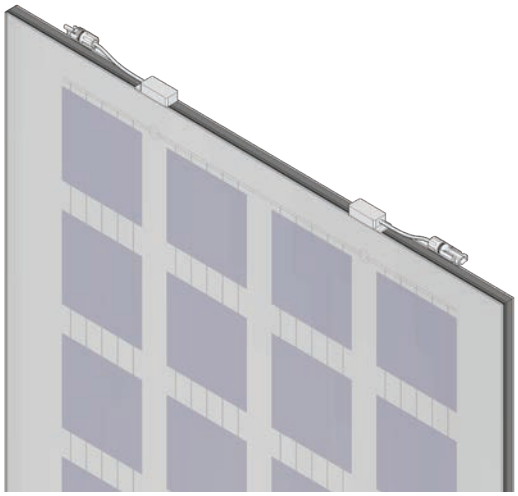


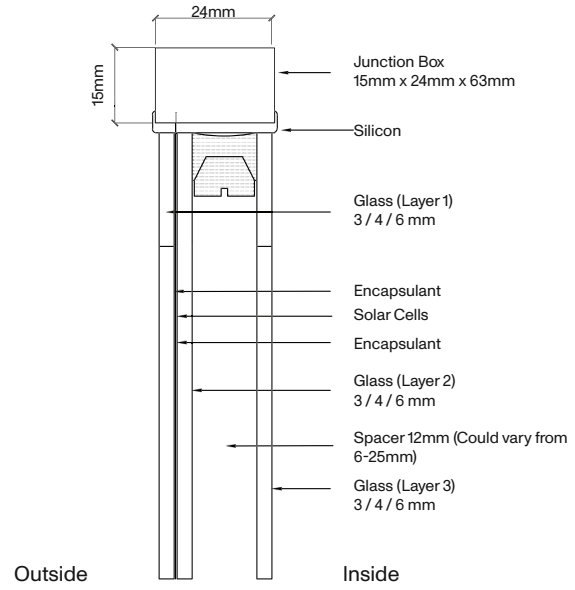


Solar Glass and Junction Box Position

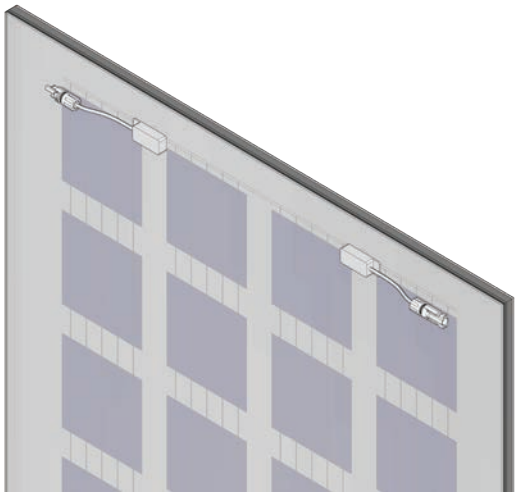
IGU Solar Glass Double Layer

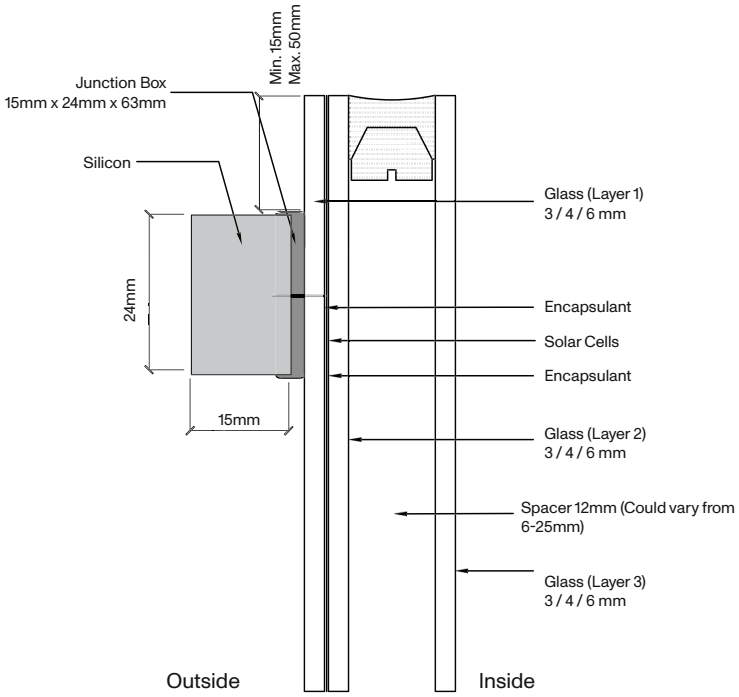
Junction Box On Top





Junction Box On The Face

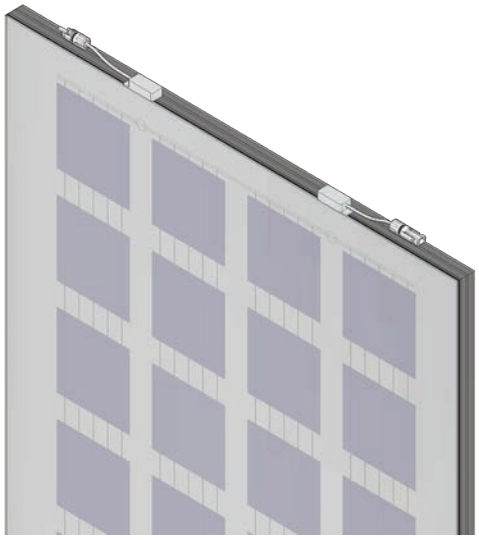


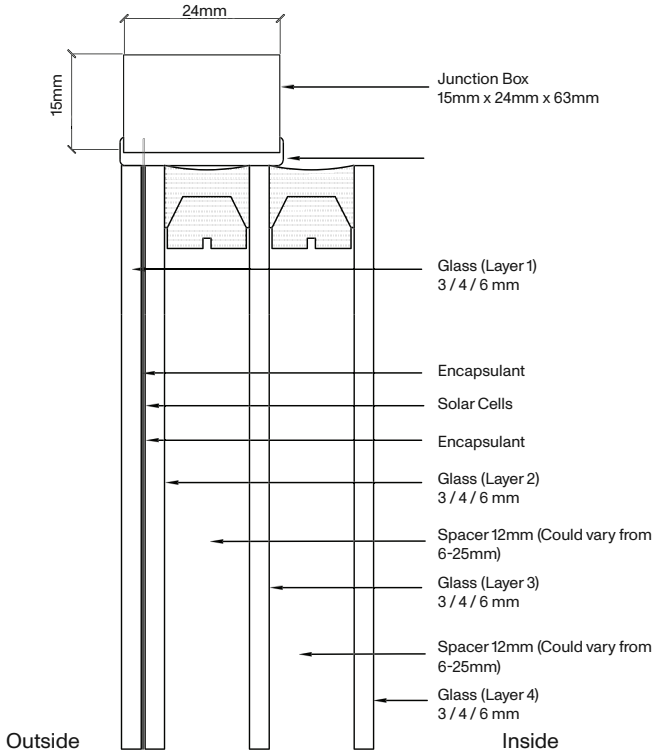


Solar Glass and Junction Box Position

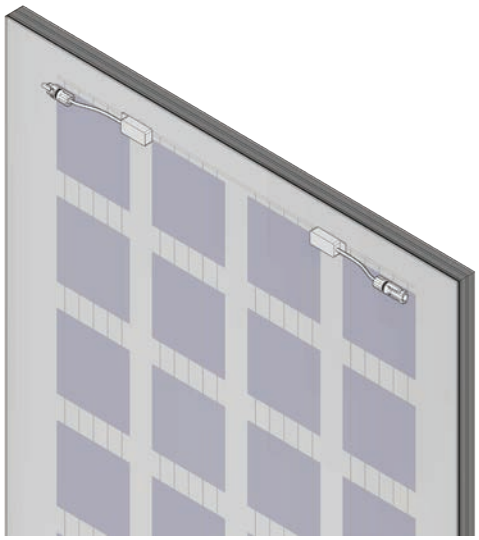
IGU Solar Glass Triple Layer

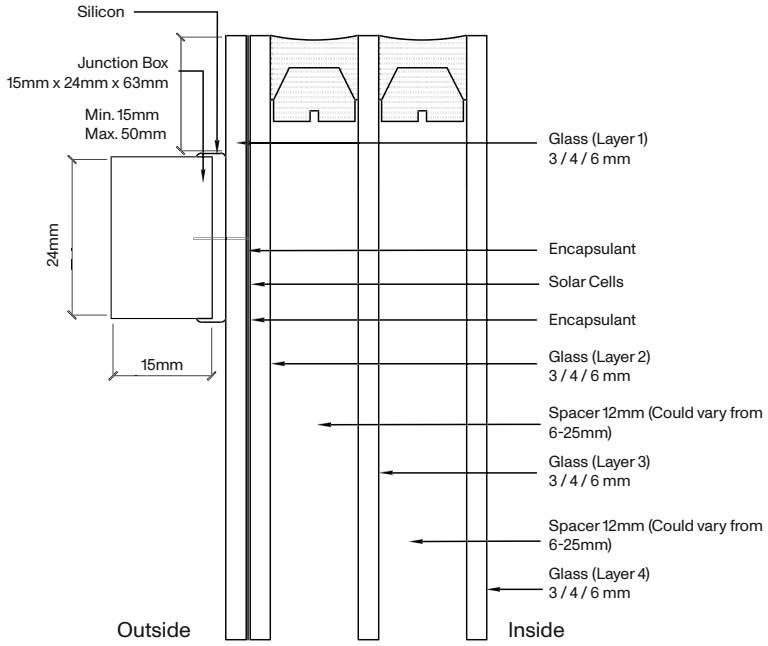
Junction Box On Top





Junction Box On The Face





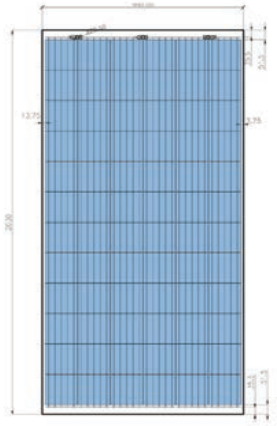
Technical Data

Glass Datasheet

Active Models

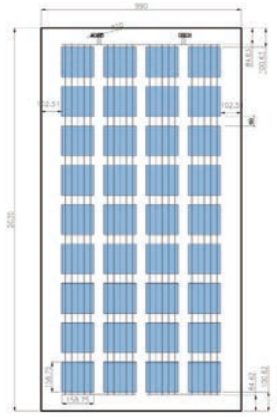
A1

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
380	40.5	9.38	48.6	9.72



A111

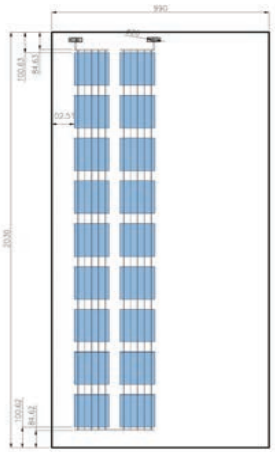
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
190	20.3	9.36	24.3	9.69



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A1	LL3	3	3	N/A	N/A	N/A	N/A	0%	8%	7%	28%	28%	7%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	8%	7%	28%	28%	7%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	7%	7%	28%	28%	7%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	7%	5%	29%	29%	6%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	7%	6%	29%	29%	6%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	7%	6%	29%	29%	6%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	7%	6%	29%	29%	6%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	6%	3%	29%	28%	4%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	6%	3%	29%	28%	4%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	6%	3%	29%	28%	4%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	6%	3%	29%	28%	4%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	6%	3%	29%	28%	4%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	6%	3%	29%	28%	4%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	6%	5%	29%	29%	6%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	6%	5%	29%	29%	6%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	6%	4%	29%	29%	5%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	6%	6%	29%	29%	6%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	6%	6%	29%	29%	6%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	6%	5%	29%	29%	6%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	5%	2%	29%	29%	3%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	5%	2%	29%	29%	3%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	5%	2%	29%	29%	3%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	5%	2%	29%	29%	3%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	5%	2%	29%	29%	3%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	5%	2%	29%	29%	3%	0.12	0.12	1.54
A111	LL3	3	3	N/A	N/A	N/A	N/A	0%	49%	45%	18%	18%	47%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	45%	41%	22%	22%	42%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	45%	41%	22%	22%	42%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	40%	19%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	20%	26%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	40%	21%	20%	20%	26%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	41%	32%	25%	25%	37%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	40%	30%	25%	25%	36%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	39%	27%	25%	25%	35%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	42%	37%	25%	25%	39%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	42%	37%	25%	25%	38%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	42%	36%	25%	25%	38%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	14%	21%	20%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	31%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	15%	22%	21%	21%	0.12	0.12	1.54

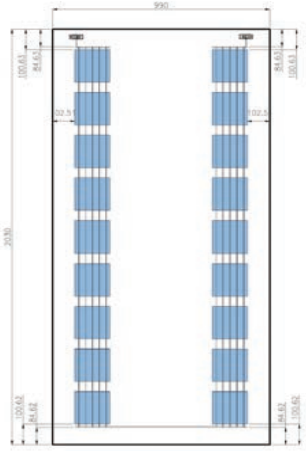
A112

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.71



A113

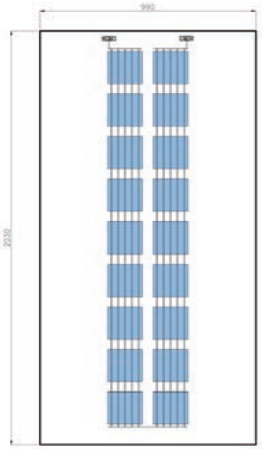
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.74



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A112	LL3	3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	65%	59%	18%	18%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	58%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	57%	43%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	39%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	55%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	51%	23%	23%	54%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	18%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	18%	17%	30%	0.12	0.12	1.54
A113	LL3	3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	65%	59%	18%	18%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	58%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	57%	43%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	39%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	55%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	51%	23%	23%	54%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	18%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	18%	17%	30%	0.12	0.12	1.54

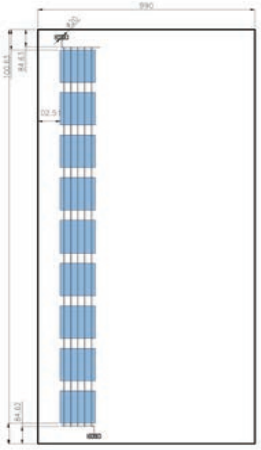
A114

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.66



A115

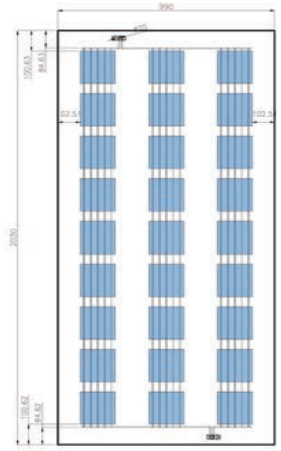
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
45	5.1	8.82	6.1	9.67



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A114	LL3	3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	65%	59%	18%	18%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	58%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	57%	43%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	39%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	55%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	51%	23%	23%	54%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	18%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	18%	17%	30%	0.12	0.12	1.54
A115	LL3	3	3	N/A	N/A	N/A	N/A	0%	81%	73%	11%	11%	76%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	81%	73%	11%	11%	75%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	80%	72%	11%	11%	75%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	67%	34%	12%	11%	40%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	67%	34%	12%	11%	40%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	67%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	67%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	67%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	72%	56%	17%	17%	65%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	74%	67%	17%	17%	69%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	73%	66%	17%	17%	68%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	73%	65%	17%	17%	67%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	65%	33%	14%	13%	42%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	65%	32%	14%	13%	42%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	64%	31%	14%	13%	42%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	66%	34%	14%	13%	42%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	66%	34%	14%	13%	42%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	66%	34%	14%	13%	42%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	66%	52%	22%	22%	60%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	66%	50%	22%	22%	59%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	64%	44%	22%	21%	57%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	68%	61%	22%	22%	64%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	68%	60%	22%	22%	63%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	68%	58%	22%	22%	62%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	52%	22%	17%	15%	35%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	51%	22%	16%	14%	35%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	50%	21%	16%	14%	34%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	54%	24%	17%	15%	35%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	54%	24%	17%	15%	35%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	53%	24%	17%	15%	35%	0.12	0.12	1.54

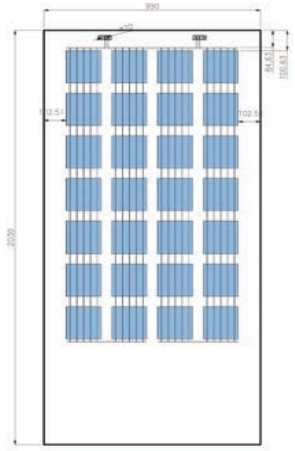
A116

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
140	15.2	9.21	18.2	9.8



A121

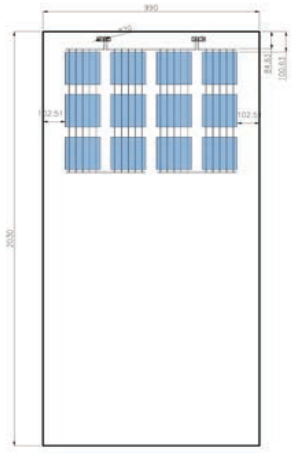
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
145	15.8	9.18	18.9	9.69



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A116	LL3	3	3	N/A	N/A	N/A	N/A	0%	60%	54%	16%	16%	56%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	60%	54%	16%	16%	56%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	56%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	53%	41%	20%	20%	48%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	55%	50%	20%	20%	51%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	54%	49%	20%	20%	51%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	54%	48%	20%	20%	50%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	49%	25%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	49%	25%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	49%	25%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	49%	39%	24%	24%	45%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	49%	37%	24%	24%	44%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	47%	33%	24%	23%	42%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	51%	45%	24%	24%	47%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	51%	45%	24%	24%	47%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	51%	43%	24%	24%	46%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	39%	16%	20%	19%	26%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	38%	16%	20%	18%	26%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	16%	20%	18%	25%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	18%	20%	19%	26%	0.12	0.12	1.54
A121	LL3	3	3	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	52%	41%	20%	20%	47%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	54%	49%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	50%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	23%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	38%	24%	24%	44%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	48%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	50%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	50%	44%	24%	24%	46%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	50%	42%	24%	24%	45%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	38%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	18%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	15%	20%	18%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	17%	20%	19%	25%	0.12	0.12	1.54

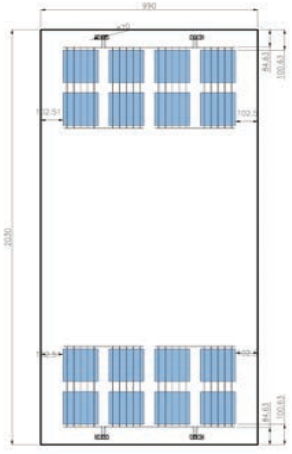
A122

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.74



A123

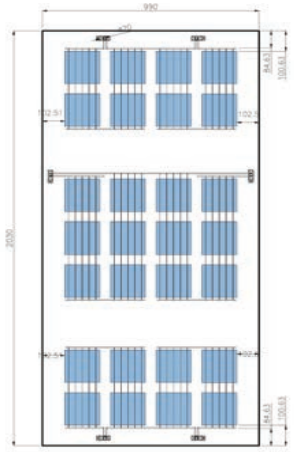
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.68



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A122	LL3	3	3	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	71%	64%	17%	17%	66%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	70%	64%	17%	17%	65%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	47%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	61%	42%	22%	22%	54%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	65%	58%	22%	22%	61%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	65%	58%	22%	22%	60%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	65%	56%	22%	22%	59%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	16%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	49%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	48%	20%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	16%	33%	0.12	0.12	1.54
A123	LL3	3	3	N/A	N/A	N/A	N/A	0%	72%	66%	12%	12%	68%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	72%	64%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	64%	50%	18%	18%	58%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	67%	61%	18%	18%	62%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	66%	60%	18%	18%	61%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	59%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	47%	23%	23%	54%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	59%	45%	23%	23%	53%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	57%	40%	23%	22%	51%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	61%	55%	23%	23%	57%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	61%	54%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	61%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	47%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	46%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	21%	18%	16%	31%	0.12	0.12	1.54

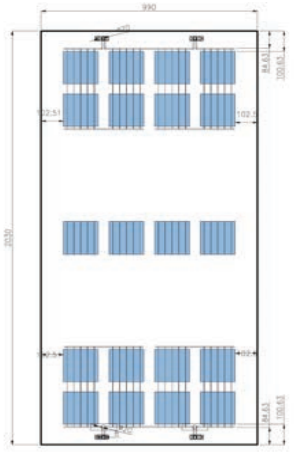
A124

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
145	15.8	9.18	18.9	9.73



A125

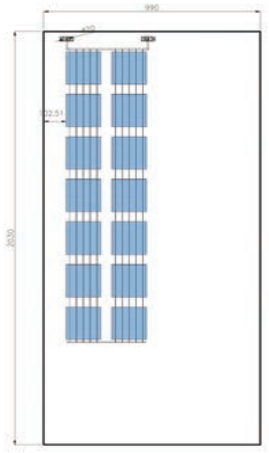
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
105	11.3	9.29	13.5	9.68



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A124	LL3	3	3	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	52%	41%	20%	20%	47%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	54%	49%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	50%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	23%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	38%	24%	24%	44%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	48%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	50%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	50%	44%	24%	24%	46%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	50%	42%	24%	24%	45%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	38%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	18%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	15%	20%	18%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	17%	20%	19%	25%	0.12	0.12	1.54
A125	LL3	3	3	N/A	N/A	N/A	N/A	0%	68%	62%	14%	14%	64%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	68%	61%	14%	14%	63%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	67%	60%	14%	14%	63%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	60%	47%	19%	19%	54%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	63%	57%	19%	19%	58%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	62%	56%	19%	19%	57%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	62%	54%	19%	19%	57%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	54%	28%	17%	16%	36%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	54%	27%	17%	16%	36%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	54%	26%	17%	16%	36%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	56%	28%	17%	16%	36%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	56%	28%	17%	16%	36%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	55%	28%	17%	16%	36%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	56%	44%	23%	23%	51%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	55%	42%	23%	23%	50%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	54%	37%	23%	23%	48%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	57%	51%	23%	23%	54%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	57%	51%	23%	23%	53%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	57%	49%	23%	23%	52%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	44%	19%	19%	17%	29%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	43%	19%	18%	17%	29%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	45%	20%	19%	17%	30%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	45%	20%	19%	17%	30%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	45%	20%	19%	17%	29%	0.12	0.12	1.54

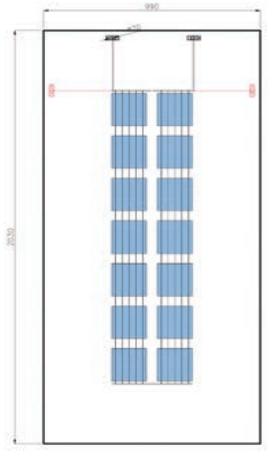
A126

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
70	7.9	8.86	9.5	9.76



A127

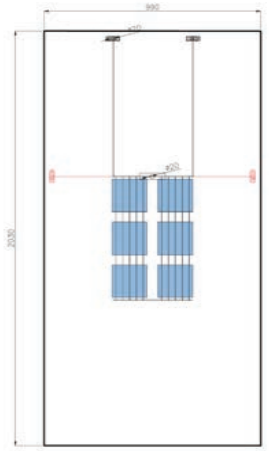
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
70	7.9	8.86	9.5	9.84



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A126	LL3	3	3	N/A	N/A	N/A	N/A	0%	75%	68%	12%	12%	71%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	75%	67%	12%	12%	70%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	74%	67%	12%	12%	70%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	67%	52%	18%	18%	60%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	69%	62%	18%	18%	64%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	68%	62%	18%	18%	63%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	68%	60%	18%	18%	62%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	59%	29%	15%	14%	39%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	39%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	62%	31%	15%	14%	39%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	61%	31%	15%	14%	39%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	62%	48%	23%	23%	56%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	61%	46%	23%	23%	55%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	59%	41%	23%	22%	53%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	63%	57%	23%	23%	59%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	63%	56%	23%	23%	58%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	63%	54%	23%	23%	58%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	48%	21%	18%	16%	32%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	48%	21%	17%	15%	32%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	47%	20%	17%	15%	31%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	50%	22%	18%	16%	33%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	50%	22%	18%	16%	33%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	49%	22%	18%	16%	32%	0.12	0.12	1.54
A127	LL3	3	3	N/A	N/A	N/A	N/A	0%	75%	68%	12%	12%	71%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	75%	67%	12%	12%	70%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	74%	67%	12%	12%	70%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	62%	31%	14%	13%	38%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	67%	52%	18%	18%	60%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	69%	62%	18%	18%	64%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	68%	62%	18%	18%	63%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	68%	60%	18%	18%	62%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	59%	29%	15%	14%	39%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	39%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	62%	31%	15%	14%	39%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	61%	31%	15%	14%	39%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	62%	48%	23%	23%	56%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	61%	46%	23%	23%	55%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	59%	41%	23%	22%	53%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	63%	57%	23%	23%	59%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	63%	56%	23%	23%	58%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	63%	54%	23%	23%	58%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	48%	21%	18%	16%	32%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	48%	21%	17%	15%	32%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	47%	20%	17%	15%	31%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	50%	22%	18%	16%	33%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	50%	22%	18%	16%	33%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	49%	22%	18%	16%	32%	0.12	0.12	1.54

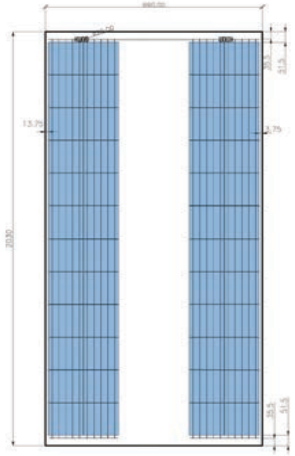
A128

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
30	3.4	8.82	4.1	9.67



A2

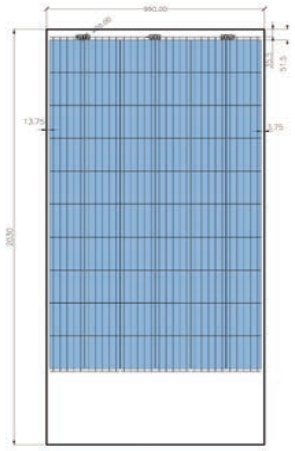
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
250	27	9.26	32.4	9.79



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A128	LL3	3	3	N/A	N/A	N/A	N/A	0%	84%	77%	10%	10%	79%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	84%	76%	10%	10%	79%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	83%	75%	10%	10%	79%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	75%	58%	16%	16%	67%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	78%	70%	16%	16%	72%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	77%	69%	16%	16%	71%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	77%	67%	16%	16%	70%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	67%	34%	13%	12%	44%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	67%	33%	13%	12%	44%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	66%	32%	13%	12%	44%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	69%	35%	13%	12%	44%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	69%	35%	13%	12%	44%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	68%	35%	13%	12%	44%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	69%	54%	22%	22%	63%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	68%	52%	22%	22%	62%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	66%	46%	22%	21%	59%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	71%	64%	22%	22%	66%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	71%	63%	22%	22%	66%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	71%	61%	22%	22%	65%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	54%	23%	16%	14%	36%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	54%	23%	15%	13%	36%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	53%	22%	15%	13%	35%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	56%	25%	16%	14%	37%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	56%	25%	16%	14%	37%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	55%	25%	16%	14%	36%	0.12	0.12	1.54
A2	LL3	3	3	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	33%	30%	24%	24%	30%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	32%	29%	24%	24%	30%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	29%	15%	23%	23%	19%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	29%	15%	23%	23%	19%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	29%	23%	27%	27%	26%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	29%	22%	27%	27%	26%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	28%	19%	27%	26%	25%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	30%	27%	27%	27%	28%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	30%	26%	27%	27%	28%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	30%	26%	27%	27%	27%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	23%	10%	24%	23%	15%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	23%	10%	24%	23%	15%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	22%	9%	24%	23%	15%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	23%	10%	24%	23%	15%	0.12	0.12	1.54

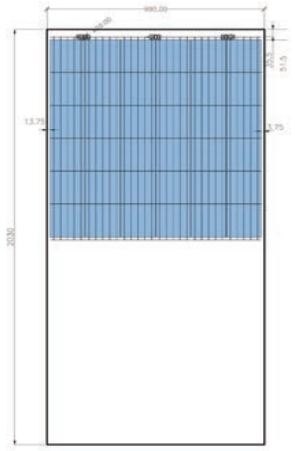
A21

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
315	33.8	9.32	40.5	9.82



A22

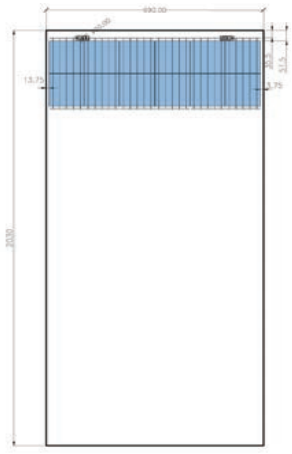
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
155	16.9	9.17	20.3	9.83



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A21	LL3	3	3	N/A	N/A	N/A	N/A	0%	21%	20%	25%	25%	20%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	21%	19%	25%	25%	20%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	21%	19%	25%	25%	20%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	19%	15%	26%	26%	17%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	20%	18%	26%	26%	18%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	20%	18%	26%	26%	18%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	20%	17%	26%	26%	18%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	17%	9%	26%	26%	11%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	17%	8%	26%	26%	11%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	17%	8%	26%	26%	11%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	18%	9%	26%	26%	11%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	18%	9%	26%	26%	11%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	17%	9%	26%	26%	11%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	18%	14%	28%	28%	16%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	17%	13%	28%	28%	16%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	17%	12%	28%	28%	15%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	18%	16%	28%	28%	17%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	18%	16%	28%	28%	17%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	18%	16%	28%	28%	16%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	14%	6%	26%	26%	9%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	14%	6%	26%	26%	9%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	13%	6%	26%	26%	9%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	14%	6%	26%	26%	9%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	14%	6%	26%	26%	9%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	14%	6%	26%	26%	9%	0.12	0.12	1.54
A22	LL3	3	3	N/A	N/A	N/A	N/A	0%	56%	51%	16%	16%	53%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	56%	51%	16%	16%	53%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	56%	50%	16%	16%	53%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	52%	47%	21%	21%	48%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	51%	46%	21%	21%	48%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	51%	45%	21%	21%	47%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	44%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	46%	36%	24%	24%	42%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	46%	35%	24%	24%	41%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	44%	31%	24%	24%	40%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	48%	43%	24%	24%	44%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	48%	42%	24%	24%	44%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	48%	41%	24%	24%	43%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	36%	15%	21%	19%	24%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	36%	15%	20%	19%	24%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	35%	15%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	37%	17%	21%	19%	24%	0.12	0.12	1.54

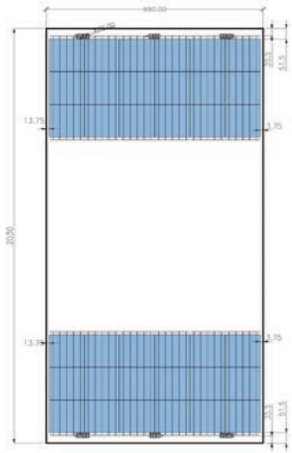
A23

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.82



A24

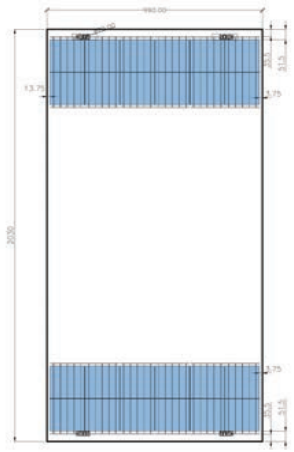
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
190	20.3	9.36	24.3	9.72



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A23	LL3	3	3	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	71%	64%	17%	17%	66%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	70%	64%	17%	17%	65%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	47%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	61%	42%	22%	22%	54%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	65%	58%	22%	22%	61%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	65%	58%	22%	22%	60%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	65%	56%	22%	22%	59%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	16%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	49%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	48%	20%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	16%	33%	0.12	0.12	1.54
A24	LL3	3	3	N/A	N/A	N/A	N/A	0%	49%	45%	18%	18%	47%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	45%	41%	22%	22%	42%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	45%	41%	22%	22%	42%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	40%	19%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	20%	26%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	40%	21%	20%	20%	26%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	41%	32%	25%	25%	37%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	40%	30%	25%	25%	36%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	39%	27%	25%	25%	35%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	42%	37%	25%	25%	39%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	42%	37%	25%	25%	38%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	42%	36%	25%	25%	38%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	14%	21%	20%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	31%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	15%	22%	21%	21%	0.12	0.12	1.54

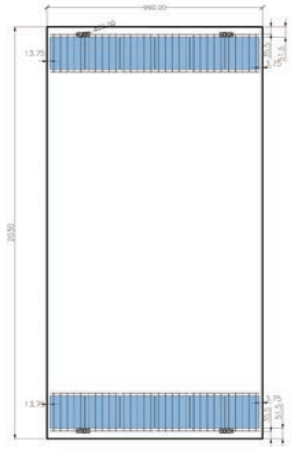
A25

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.85



A26

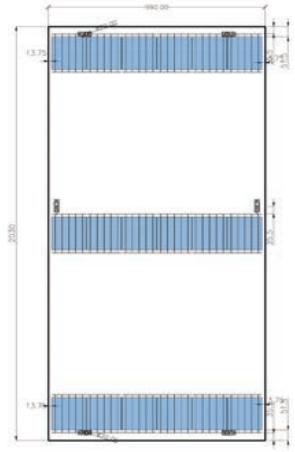
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
380	40.5	9.38	48.6	9.72



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A25	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54
A26	LL3	3	3	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	71%	64%	17%	17%	66%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	70%	64%	17%	17%	65%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	47%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	61%	42%	22%	22%	54%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	65%	58%	22%	22%	61%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	65%	58%	22%	22%	60%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	65%	56%	22%	22%	59%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	16%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	49%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	48%	20%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	16%	33%	0.12	0.12	1.54

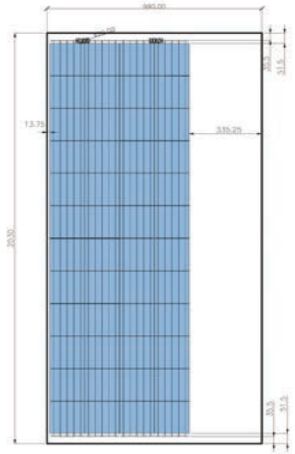
A27

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.81



A3

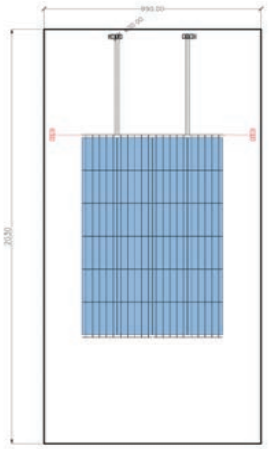
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
250	27	9.26	32.4	9.85



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
	LL3	3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	65%	59%	18%	18%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	56%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	58%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	57%	43%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	39%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	55%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	51%	23%	23%	54%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	18%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	18%	17%	30%	0.12	0.12	1.54
	LL3	3	3	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	33%	30%	24%	24%	30%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	32%	29%	24%	24%	30%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	29%	15%	23%	23%	19%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	29%	15%	23%	23%	19%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	29%	23%	27%	27%	26%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	29%	22%	27%	27%	26%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	28%	19%	27%	26%	25%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	30%	27%	27%	27%	28%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	30%	26%	27%	27%	28%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	30%	26%	27%	27%	27%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	23%	10%	24%	23%	15%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	23%	10%	24%	23%	15%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	22%	9%	24%	23%	15%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	23%	10%	24%	23%	15%	0.12	0.12	1.54

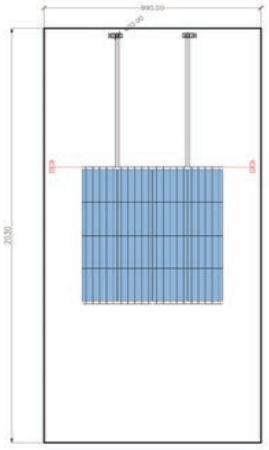
A31

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.85



A32

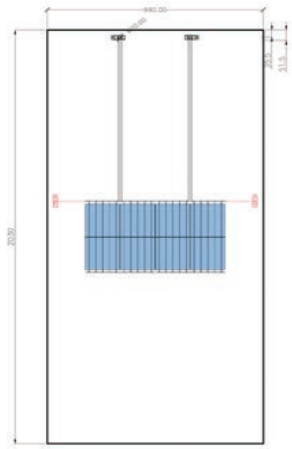
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.85



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A31	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54
A32	LL3	3	3	N/A	N/A	N/A	N/A	0%	72%	66%	12%	12%	68%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	72%	64%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	64%	50%	18%	18%	58%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	67%	61%	18%	18%	62%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	66%	60%	18%	18%	61%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	59%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	47%	23%	23%	54%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	59%	45%	23%	23%	53%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	57%	40%	23%	22%	51%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	61%	55%	23%	23%	57%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	61%	54%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	61%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	47%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	46%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	21%	18%	16%	31%	0.12	0.12	1.54

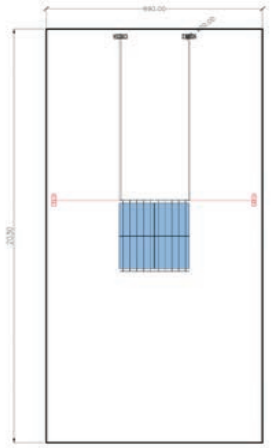
A33

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.8



A34

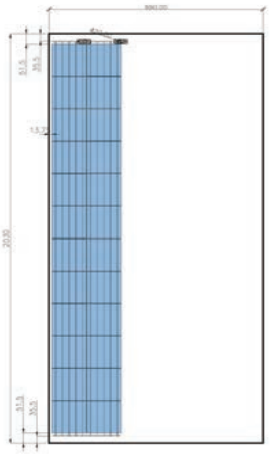
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
20	2.3	8.7	2.7	9.67



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A33	LL3	3	3	N/A	N/A	N/A	N/A	0%	82%	75%	10%	10%	77%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	76%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	76%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	73%	57%	17%	17%	66%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	75%	68%	17%	17%	70%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	75%	67%	17%	17%	69%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	75%	66%	17%	17%	68%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	66%	32%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	65%	31%	14%	13%	43%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	67%	34%	14%	13%	43%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	67%	34%	14%	13%	43%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	66%	34%	14%	13%	43%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	67%	53%	22%	22%	61%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	66%	50%	22%	22%	60%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	65%	45%	22%	21%	57%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	69%	62%	22%	22%	65%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	69%	61%	22%	22%	64%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	69%	59%	22%	22%	63%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	53%	22%	17%	15%	35%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	52%	22%	16%	14%	35%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	51%	22%	16%	14%	34%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	55%	24%	17%	15%	36%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	55%	24%	17%	15%	36%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	54%	24%	17%	15%	35%	0.12	0.12	1.54
A34	LL3	3	3	N/A	N/A	N/A	N/A	0%	86%	79%	9%	9%	82%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	86%	78%	9%	9%	81%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	85%	77%	9%	9%	81%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	72%	36%	11%	10%	43%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	72%	36%	11%	10%	43%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	72%	36%	11%	10%	44%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	72%	36%	11%	10%	44%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	72%	36%	11%	10%	44%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	77%	60%	16%	16%	69%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	80%	72%	16%	16%	74%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	79%	71%	16%	16%	73%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	79%	69%	16%	16%	72%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	69%	35%	13%	12%	46%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	69%	34%	13%	12%	46%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	68%	33%	13%	12%	46%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	71%	36%	13%	12%	46%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	71%	36%	13%	12%	46%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	70%	36%	13%	12%	46%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	71%	56%	21%	21%	65%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	70%	53%	21%	21%	64%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	68%	47%	21%	21%	61%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	73%	65%	21%	21%	68%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	73%	65%	21%	21%	67%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	73%	63%	21%	21%	66%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	56%	24%	16%	14%	37%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	55%	24%	15%	13%	37%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	54%	23%	15%	13%	36%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	58%	26%	16%	14%	38%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	58%	26%	16%	14%	38%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	57%	26%	16%	14%	37%	0.12	0.12	1.54

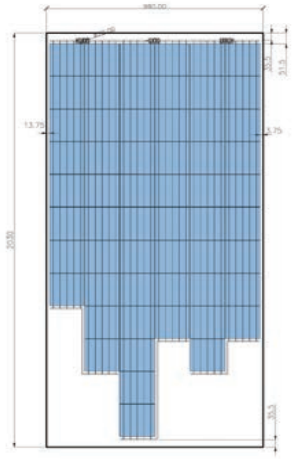
A4

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.75



A41

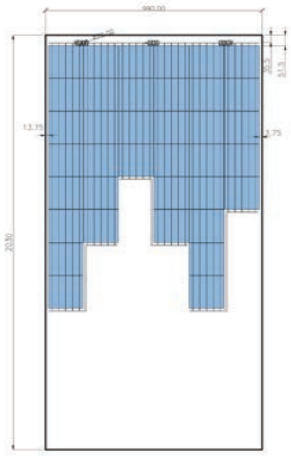
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
305	32.7	9.33	39.2	9.76



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A4	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54
A41	LL3	3	3	N/A	N/A	N/A	N/A	0%	24%	22%	24%	24%	22%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	24%	21%	24%	24%	22%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	24%	21%	24%	24%	22%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	21%	16%	26%	26%	19%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	22%	20%	26%	26%	20%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	22%	20%	26%	26%	20%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	22%	19%	26%	26%	20%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	19%	10%	25%	25%	13%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	19%	9%	25%	25%	13%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	19%	9%	25%	25%	13%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	20%	10%	25%	25%	13%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	20%	10%	25%	25%	13%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	19%	10%	25%	25%	13%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	20%	15%	28%	28%	18%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	19%	15%	28%	28%	17%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	19%	13%	28%	27%	17%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	20%	18%	28%	28%	19%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	20%	18%	28%	28%	19%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	20%	17%	28%	28%	18%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	15%	7%	26%	26%	10%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	15%	7%	26%	25%	10%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	15%	6%	26%	25%	10%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	16%	7%	26%	26%	10%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	16%	7%	26%	26%	10%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	16%	7%	26%	26%	10%	0.12	0.12	1.54

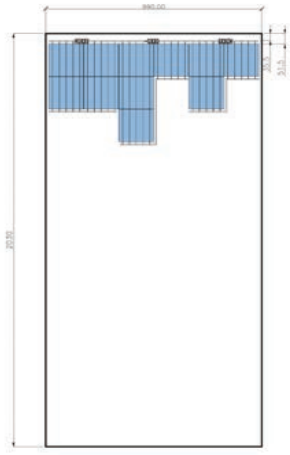
A42

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
195	20.8	9.38	25	9.79



A43

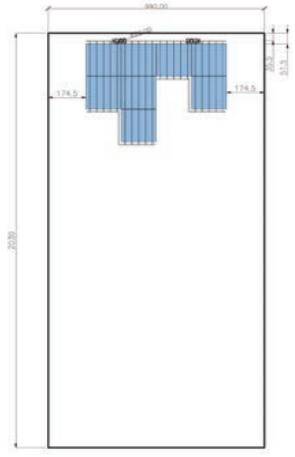
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
55	6.2	8.87	7.4	9.8



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A42	LL3	3	3	N/A	N/A	N/A	N/A	0%	48%	44%	18%	18%	45%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	48%	43%	18%	18%	45%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	48%	43%	18%	18%	45%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	43%	33%	22%	22%	39%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	44%	40%	22%	22%	41%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	44%	40%	22%	22%	41%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	44%	39%	22%	22%	40%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	39%	20%	20%	20%	25%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	39%	19%	20%	20%	25%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	38%	19%	20%	20%	25%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	40%	20%	20%	20%	25%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	40%	20%	20%	20%	25%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	39%	20%	20%	20%	25%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	40%	31%	25%	25%	36%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	39%	30%	25%	25%	35%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	38%	26%	25%	25%	34%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	41%	36%	25%	25%	38%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	41%	36%	25%	25%	38%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	41%	35%	25%	25%	37%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	31%	13%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	13%	22%	20%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	30%	13%	22%	20%	20%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	14%	22%	21%	21%	0.12	0.12	1.54
A43	LL3	3	3	N/A	N/A	N/A	N/A	0%	78%	71%	11%	11%	74%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	78%	71%	11%	11%	73%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	65%	33%	13%	12%	39%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	65%	33%	13%	12%	39%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	65%	33%	13%	12%	40%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	65%	33%	13%	12%	40%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	65%	33%	13%	12%	40%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	70%	54%	17%	17%	63%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	72%	65%	17%	17%	67%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	71%	64%	17%	17%	66%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	71%	63%	17%	17%	65%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	63%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	33%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	33%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	64%	33%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	51%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	64%	48%	22%	22%	58%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	62%	43%	22%	21%	55%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	66%	59%	22%	22%	62%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	66%	58%	22%	22%	61%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	66%	57%	22%	22%	60%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	51%	21%	17%	15%	34%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	50%	21%	16%	15%	34%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	49%	21%	16%	15%	33%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	52%	23%	17%	15%	34%	0.12	0.12	1.54

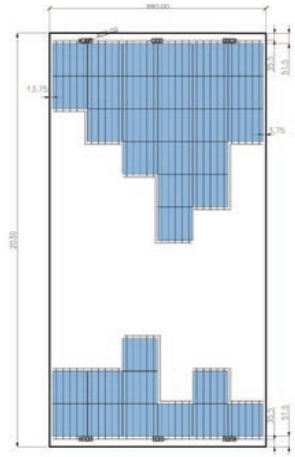
A44

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.77



A45

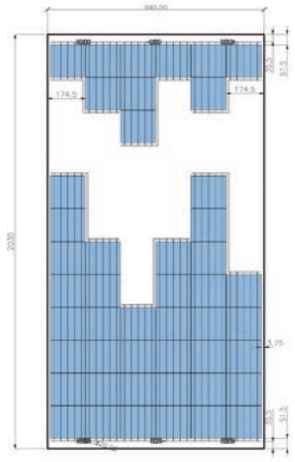
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
180	19.1	9.42	23	9.85



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A44	LL3	3	3	N/A	N/A	N/A	N/A	0%	82%	75%	10%	10%	77%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	76%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	76%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	68%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	73%	57%	17%	17%	66%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	75%	68%	17%	17%	70%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	75%	67%	17%	17%	69%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	75%	66%	17%	17%	68%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	66%	32%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	65%	31%	14%	13%	43%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	67%	34%	14%	13%	43%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	67%	34%	14%	13%	43%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	66%	34%	14%	13%	43%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	67%	53%	22%	22%	61%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	66%	50%	22%	22%	60%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	65%	45%	22%	21%	57%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	69%	62%	22%	22%	65%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	69%	61%	22%	22%	64%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	69%	59%	22%	22%	63%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	53%	22%	17%	15%	35%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	52%	22%	16%	14%	35%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	51%	22%	16%	14%	34%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	55%	24%	17%	15%	36%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	55%	24%	17%	15%	36%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	54%	24%	17%	15%	35%	0.12	0.12	1.54
A45	LL3	3	3	N/A	N/A	N/A	N/A	0%	52%	47%	18%	18%	49%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	52%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	46%	36%	21%	21%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	48%	43%	21%	21%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	47%	43%	21%	21%	44%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	47%	41%	21%	21%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	43%	22%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	43%	22%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	42%	22%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	43%	33%	25%	25%	39%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	42%	32%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	44%	39%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	44%	39%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	44%	37%	25%	25%	40%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	21%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	14%	21%	20%	22%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	35%	15%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	21%	20%	22%	0.12	0.12	1.54

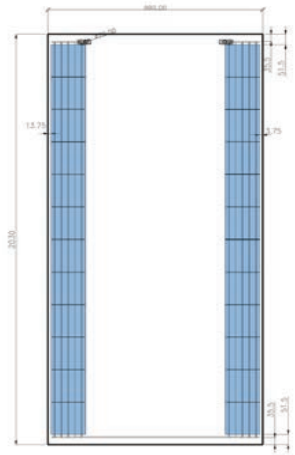
A46

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
245	26.5	9.25	31.7	9.75



A5

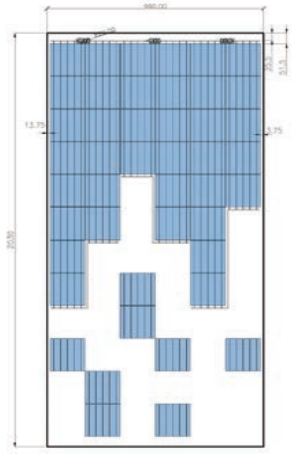
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.67



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A46	LL3	3	3	N/A	N/A	N/A	N/A	0%	37%	33%	21%	21%	35%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	37%	33%	21%	21%	34%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	36%	33%	21%	21%	34%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	33%	25%	24%	24%	29%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	34%	30%	24%	24%	31%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	33%	30%	24%	24%	31%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	33%	29%	24%	24%	30%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	29%	15%	23%	22%	19%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	29%	14%	23%	22%	19%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	29%	14%	23%	22%	19%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	30%	15%	23%	22%	19%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	30%	15%	23%	22%	19%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	30%	15%	23%	22%	19%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	30%	24%	26%	26%	27%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	30%	22%	26%	26%	27%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	29%	20%	26%	26%	26%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	31%	28%	26%	26%	29%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	31%	27%	26%	26%	28%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	31%	26%	26%	26%	28%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	24%	10%	24%	23%	16%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	23%	10%	24%	23%	16%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	23%	10%	24%	23%	15%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	24%	11%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	24%	11%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	24%	11%	24%	23%	16%	0.12	0.12	1.54
A5	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54

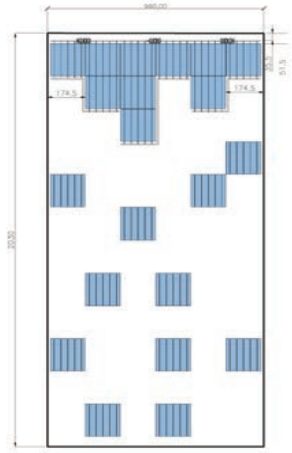
A51

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
195	20.8	9.38	25	9.75



A52

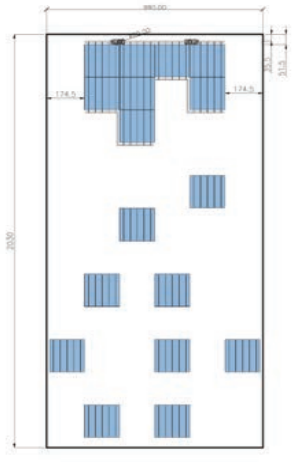
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
50	5.6	8.93	6.8	9.77



Panel	Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
	LL3	3	3	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	37%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	36%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	38%	35%	21%	21%	36%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	32%	16%	21%	21%	19%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	32%	16%	21%	21%	19%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	35%	27%	24%	24%	31%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	36%	32%	24%	24%	33%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	35%	32%	24%	24%	33%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	35%	31%	24%	24%	32%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	31%	16%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	31%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	31%	15%	22%	22%	20%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	32%	16%	22%	22%	20%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	32%	16%	22%	22%	20%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	32%	16%	22%	22%	20%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	32%	25%	26%	26%	29%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	32%	24%	26%	26%	29%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	31%	21%	26%	26%	27%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	33%	29%	26%	26%	31%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	33%	29%	26%	26%	30%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	33%	28%	26%	26%	30%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	25%	11%	24%	23%	17%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	25%	11%	23%	22%	17%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	24%	10%	23%	22%	16%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	26%	12%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	26%	12%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	26%	12%	24%	23%	17%	0.12	0.12	1.54
	LL3	3	3	N/A	N/A	N/A	N/A	0%	67%	61%	14%	14%	63%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	67%	60%	14%	14%	62%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	59%	46%	19%	19%	53%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	62%	56%	19%	19%	57%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	61%	55%	19%	19%	56%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	61%	53%	19%	19%	56%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	53%	26%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	53%	26%	17%	16%	35%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	55%	28%	17%	16%	35%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	54%	28%	17%	16%	35%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	55%	43%	23%	23%	50%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	54%	41%	23%	23%	49%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	53%	37%	23%	23%	47%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	56%	51%	23%	23%	53%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	56%	50%	23%	23%	52%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	56%	48%	23%	23%	51%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	43%	18%	19%	18%	29%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	42%	18%	18%	17%	29%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	44%	20%	19%	18%	29%	0.12	0.12	1.54

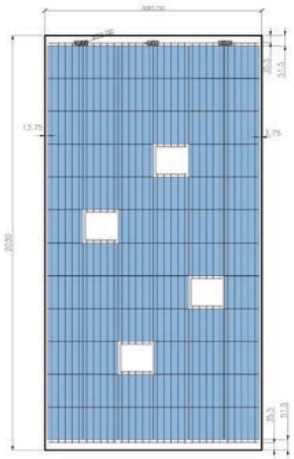
A53

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.81



A54

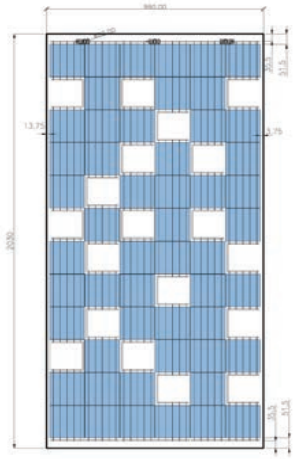
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
360	38.3	9.4	45.9	9.79



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A53	LL3	3	3	N/A	N/A	N/A	N/A	0%	71%	65%	13%	13%	67%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	71%	64%	13%	13%	67%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	71%	63%	13%	13%	67%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	63%	49%	18%	18%	57%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	66%	60%	18%	18%	61%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	65%	59%	18%	18%	60%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	65%	57%	18%	18%	60%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	57%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	56%	27%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	59%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	59%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	58%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	59%	46%	23%	23%	53%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	58%	44%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	56%	39%	23%	22%	50%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	60%	54%	23%	23%	56%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	60%	53%	23%	23%	56%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	60%	52%	23%	23%	55%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	46%	20%	18%	17%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	48%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	48%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	47%	21%	18%	17%	31%	0.12	0.12	1.54
A54	LL3	3	3	N/A	N/A	N/A	N/A	0%	12%	11%	27%	27%	12%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	12%	11%	27%	27%	11%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	12%	11%	27%	27%	11%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	11%	8%	28%	28%	10%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	11%	10%	28%	28%	10%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	11%	10%	28%	28%	10%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	11%	10%	28%	28%	10%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	10%	5%	28%	27%	6%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	10%	5%	28%	27%	6%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	10%	5%	28%	27%	6%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	10%	5%	28%	27%	6%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	10%	5%	28%	27%	6%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	10%	5%	28%	27%	6%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	10%	8%	29%	29%	9%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	10%	7%	29%	29%	9%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	10%	7%	29%	29%	9%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	10%	9%	29%	29%	10%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	10%	9%	29%	29%	9%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	10%	9%	29%	29%	9%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	8%	3%	28%	28%	5%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	8%	3%	28%	28%	5%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	8%	3%	28%	28%	5%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	8%	4%	28%	28%	5%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	8%	4%	28%	28%	5%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	8%	4%	28%	28%	5%	0.12	0.12	1.54

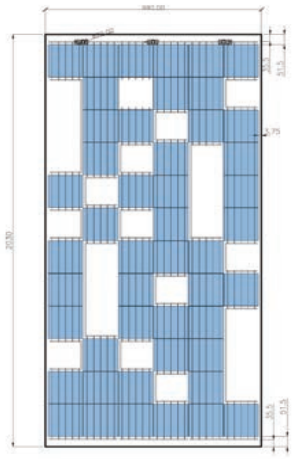
A55

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
285	30.4	9.38	36.5	9.79



A56

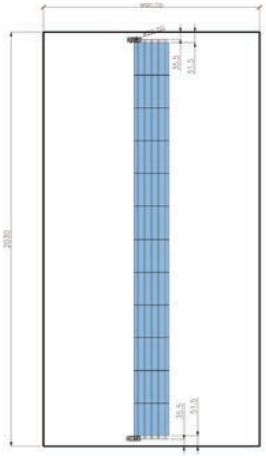
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
250	27	9.26	32.4	9.68



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A55	LL3	3	3	N/A	N/A	N/A	N/A	0%	28%	28%	23%	23%	27%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	28%	26%	23%	23%	27%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	28%	25%	23%	23%	27%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	25%	20%	25%	25%	23%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	26%	24%	25%	25%	24%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	23%	11%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	22%	11%	24%	24%	15%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	23%	12%	24%	24%	15%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	23%	18%	27%	27%	21%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	23%	17%	27%	27%	21%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	22%	16%	27%	27%	20%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	24%	22%	27%	27%	22%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	24%	21%	27%	27%	22%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	24%	21%	27%	27%	22%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	18%	8%	25%	25%	12%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	18%	8%	25%	24%	12%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	18%	7%	25%	24%	12%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	19%	8%	25%	25%	12%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	19%	8%	25%	25%	12%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	19%	8%	25%	25%	12%	0.12	0.12	1.54
A56	LL3	3	3	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	33%	30%	24%	24%	30%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	32%	29%	24%	24%	30%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	29%	15%	23%	23%	19%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	29%	15%	23%	23%	19%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	29%	23%	27%	27%	26%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	29%	22%	27%	27%	26%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	28%	19%	27%	26%	25%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	30%	27%	27%	27%	28%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	30%	26%	27%	27%	28%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	30%	26%	27%	27%	27%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	23%	10%	24%	23%	15%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	23%	10%	24%	23%	15%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	22%	9%	24%	23%	15%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	24%	10%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	23%	10%	24%	23%	15%	0.12	0.12	1.54

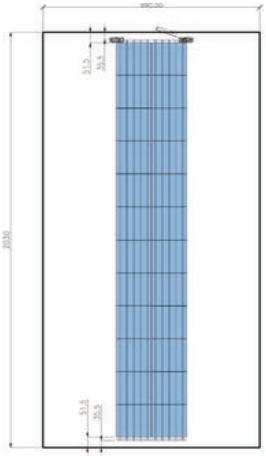
A6

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.83



A7

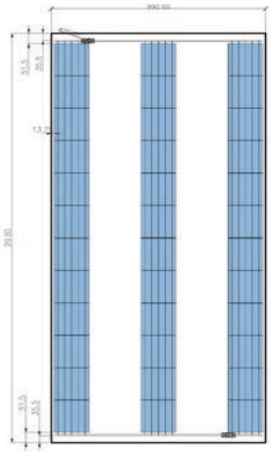
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.69



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
A6	LL3	3	3	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	71%	64%	17%	17%	66%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	70%	64%	17%	17%	65%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	47%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	61%	42%	22%	22%	54%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	65%	58%	22%	22%	61%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	65%	58%	22%	22%	60%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	65%	56%	22%	22%	59%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	16%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	49%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	48%	20%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	16%	33%	0.12	0.12	1.54
A7	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54

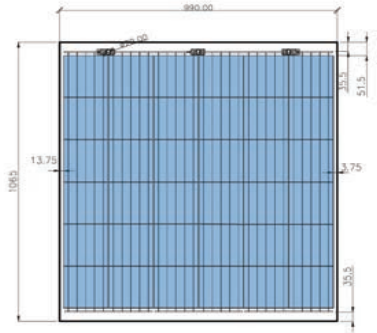
A8

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
190	20.3	9.36	24.3	9.81



B1

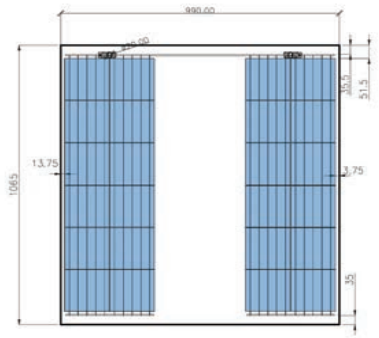
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
190	20.3	9.36	24.3	9.8



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
A8	LL3	3	3	N/A	N/A	N/A	N/A	0%	49%	45%	18%	18%	47%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	45%	41%	22%	22%	42%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	45%	41%	22%	22%	42%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	40%	19%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	20%	26%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	40%	21%	20%	20%	26%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	41%	32%	25%	25%	37%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	40%	30%	25%	25%	36%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	39%	27%	25%	25%	35%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	42%	37%	25%	25%	39%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	42%	37%	25%	25%	38%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	42%	36%	25%	25%	38%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	14%	21%	20%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	31%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	15%	22%	21%	21%	0.12	0.12	1.54
B1	LL3	3	3	N/A	N/A	N/A	N/A	0%	11%	10%	27%	27%	11%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	11%	10%	27%	27%	11%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	11%	10%	27%	27%	11%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	10%	8%	28%	28%	9%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	11%	10%	28%	28%	10%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	10%	9%	28%	28%	10%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	10%	9%	28%	28%	10%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	9%	5%	28%	28%	6%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	9%	5%	28%	28%	6%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	9%	4%	28%	28%	6%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	9%	5%	28%	28%	6%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	9%	5%	28%	28%	6%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	9%	5%	28%	28%	6%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	9%	7%	29%	29%	9%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	9%	7%	29%	29%	8%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	9%	6%	29%	29%	8%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	10%	9%	29%	29%	9%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	10%	9%	29%	29%	9%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	10%	8%	29%	29%	9%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	7%	3%	28%	28%	5%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	7%	3%	28%	28%	5%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	7%	3%	28%	28%	5%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	8%	3%	28%	28%	5%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	8%	3%	28%	28%	5%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	8%	3%	28%	28%	5%	0.12	0.12	1.54

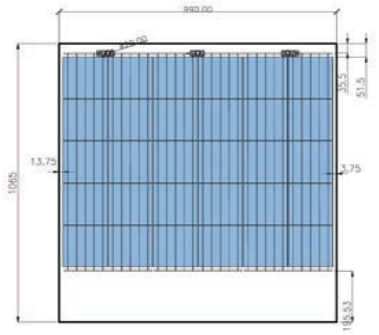
B2

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.79



B21

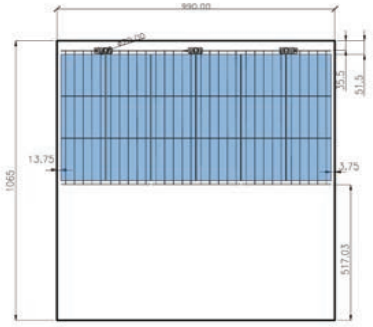
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
155	16.9	9.17	20.3	9.7



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B2	LL3	3	3	N/A	N/A	N/A	N/A	0%	38%	35%	21%	21%	36%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	35%	32%	24%	24%	33%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	35%	31%	24%	24%	32%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	31%	16%	22%	22%	20%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	31%	16%	22%	22%	20%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	31%	25%	26%	26%	28%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	31%	23%	26%	26%	28%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	30%	21%	26%	26%	27%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	32%	29%	26%	26%	30%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	32%	28%	26%	26%	30%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	32%	28%	26%	26%	29%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	25%	10%	24%	23%	16%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	24%	10%	23%	22%	16%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	24%	10%	23%	22%	16%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	25%	11%	24%	23%	16%	0.12	0.12	1.54
B21	LL3	3	3	N/A	N/A	N/A	N/A	0%	25%	23%	24%	24%	23%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	25%	22%	24%	24%	23%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	24%	22%	24%	24%	23%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	22%	17%	26%	26%	20%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	23%	21%	26%	26%	21%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	23%	20%	26%	26%	21%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	23%	20%	26%	26%	21%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	20%	10%	25%	25%	13%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	20%	10%	25%	25%	13%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	20%	10%	25%	25%	13%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	20%	10%	25%	25%	13%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	20%	10%	25%	25%	13%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	20%	10%	25%	25%	13%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	20%	16%	28%	28%	18%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	20%	15%	28%	28%	18%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	20%	14%	28%	27%	17%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	21%	19%	28%	28%	20%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	21%	18%	28%	28%	19%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	21%	18%	28%	28%	19%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	16%	7%	26%	25%	11%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	16%	7%	26%	25%	11%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	15%	7%	26%	25%	10%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	17%	7%	26%	25%	11%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	17%	7%	26%	25%	11%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	16%	7%	26%	25%	11%	0.12	0.12	1.54

B22

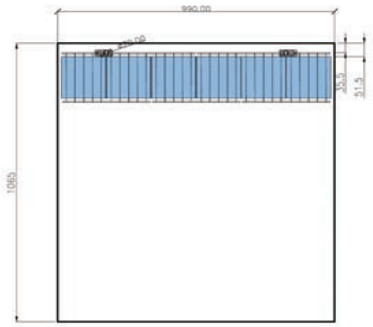
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.75



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B22	LL3	3	3	N/A	N/A	N/A	N/A	0%	51%	47%	18%	18%	48%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	47%	43%	22%	22%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	47%	42%	22%	22%	43%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	42%	21%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	42%	33%	25%	25%	38%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	42%	32%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	43%	39%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	43%	38%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	43%	37%	25%	25%	39%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	22%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	14%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	22%	20%	22%	0.12	0.12	1.54

B23

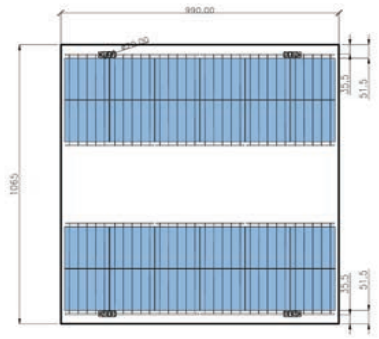
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
30	3.4	8.82	4.1	9.67



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B23	LL3	3	3	N/A	N/A	N/A	N/A	0%	78%	71%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	78%	70%	11%	11%	73%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	77%	69%	11%	11%	73%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	54%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	72%	65%	17%	17%	67%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	71%	64%	17%	17%	66%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	71%	62%	17%	17%	65%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	32%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	48%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	62%	43%	22%	21%	55%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	66%	59%	22%	22%	62%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	66%	58%	22%	22%	61%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	66%	56%	22%	22%	60%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	15%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	50%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	49%	21%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	15%	33%	0.12	0.12	1.54

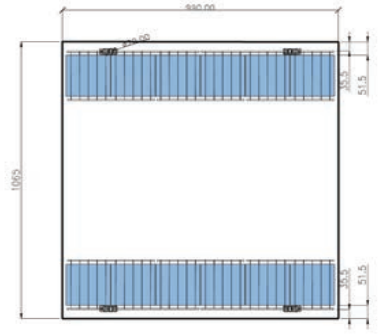
B24

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.72



B25

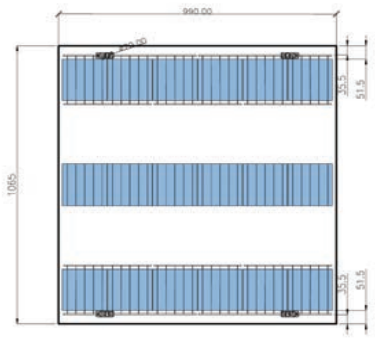
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.77



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
B24	LL3	3	3	N/A	N/A	N/A	N/A	0%	38%	35%	21%	21%	36%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	35%	32%	24%	24%	33%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	35%	31%	24%	24%	32%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	31%	16%	22%	22%	20%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	31%	16%	22%	22%	20%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	31%	25%	26%	26%	28%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	31%	23%	26%	26%	28%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	30%	21%	26%	26%	27%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	32%	29%	26%	26%	30%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	32%	28%	26%	26%	30%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	32%	28%	26%	26%	29%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	25%	10%	24%	23%	16%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	24%	10%	23%	22%	16%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	24%	10%	23%	22%	16%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	25%	11%	24%	23%	16%	0.12	0.12	1.54
B25	LL3	3	3	N/A	N/A	N/A	N/A	0%	64%	59%	14%	14%	61%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	60%	54%	19%	19%	55%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	59%	53%	19%	19%	55%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	17%	34%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	53%	42%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	52%	40%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	51%	35%	24%	23%	45%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	55%	49%	24%	24%	51%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	55%	48%	24%	24%	50%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	55%	47%	24%	24%	50%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	42%	18%	19%	18%	28%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	41%	18%	19%	17%	28%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	43%	19%	19%	18%	28%	0.12	0.12	1.54

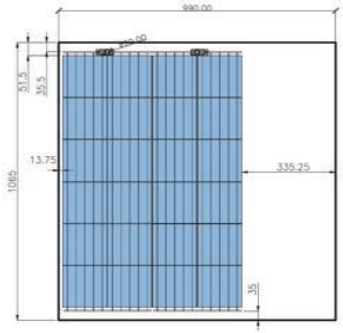
B26

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.75



B3

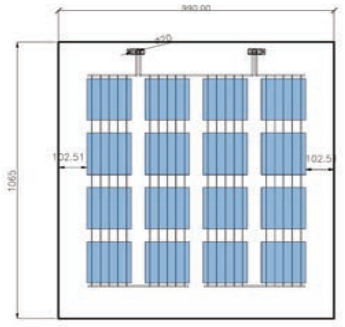
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.84



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B26	LL3	3	3	N/A	N/A	N/A	N/A	0%	51%	47%	18%	18%	48%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	47%	43%	22%	22%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	47%	42%	22%	22%	43%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	42%	21%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	42%	33%	25%	25%	38%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	42%	32%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	43%	39%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	43%	38%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	43%	37%	25%	25%	39%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	22%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	14%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	22%	20%	22%	0.12	0.12	1.54
B3	LL3	3	3	N/A	N/A	N/A	N/A	0%	38%	35%	21%	21%	36%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	35%	32%	24%	24%	33%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	35%	31%	24%	24%	32%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	31%	16%	22%	22%	20%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	31%	16%	22%	22%	20%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	31%	25%	26%	26%	28%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	31%	23%	26%	26%	28%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	30%	21%	26%	26%	27%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	32%	29%	26%	26%	30%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	32%	28%	26%	26%	30%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	32%	28%	26%	26%	29%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	25%	10%	24%	23%	16%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	24%	10%	23%	22%	16%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	24%	10%	23%	22%	16%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	25%	11%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	25%	11%	24%	23%	16%	0.12	0.12	1.54

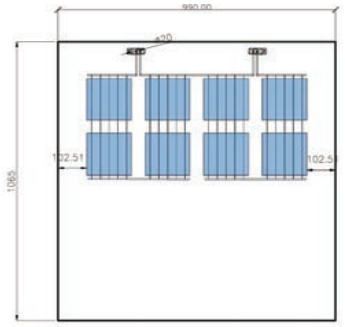
B31

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.72



B32

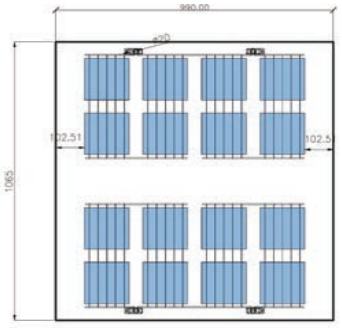
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.82



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B31	LL3	3	3	N/A	N/A	N/A	N/A	0%	56%	51%	17%	17%	53%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	56%	50%	17%	17%	52%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	51%	46%	21%	21%	48%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	51%	46%	21%	21%	47%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	51%	45%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	45%	22%	19%	18%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	44%	21%	19%	18%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	46%	36%	24%	24%	42%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	45%	34%	24%	24%	41%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	44%	31%	24%	24%	39%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	47%	42%	24%	24%	44%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	47%	42%	24%	24%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	47%	40%	24%	24%	43%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	36%	15%	21%	20%	24%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	24%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	35%	15%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	17%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	17%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	37%	17%	21%	20%	24%	0.12	0.12	1.54
B32	LL3	3	3	N/A	N/A	N/A	N/A	0%	73%	67%	12%	12%	69%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	73%	65%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	65%	51%	18%	18%	59%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	68%	61%	18%	18%	63%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	67%	60%	18%	18%	62%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	67%	59%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	59%	30%	15%	15%	39%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	59%	29%	15%	15%	39%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	58%	28%	15%	15%	39%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	31%	15%	15%	39%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	31%	15%	15%	39%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	60%	31%	15%	15%	39%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	48%	23%	23%	55%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	60%	45%	23%	23%	54%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	58%	40%	23%	22%	52%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	62%	56%	23%	23%	58%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	62%	55%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	62%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	48%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	47%	20%	17%	15%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	46%	19%	17%	15%	31%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	22%	18%	16%	31%	0.12	0.12	1.54

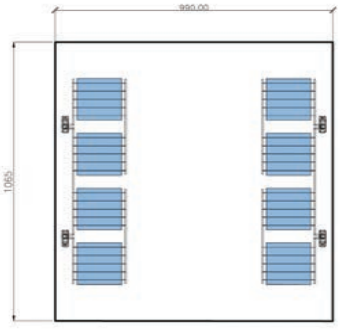
B33

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.79



B34

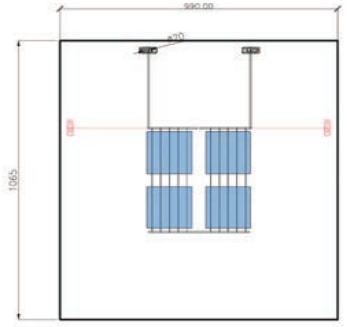
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.7



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B33	LL3	3	3	N/A	N/A	N/A	N/A	0%	56%	51%	17%	17%	53%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	56%	50%	17%	17%	52%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	51%	46%	21%	21%	48%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	51%	46%	21%	21%	47%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	51%	45%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	45%	22%	19%	18%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	44%	21%	19%	18%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	46%	36%	24%	24%	42%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	45%	34%	24%	24%	41%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	44%	31%	24%	24%	39%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	47%	42%	24%	24%	44%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	47%	42%	24%	24%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	47%	40%	24%	24%	43%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	36%	15%	21%	20%	24%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	24%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	35%	15%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	17%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	17%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	37%	17%	21%	20%	24%	0.12	0.12	1.54
B34	LL3	3	3	N/A	N/A	N/A	N/A	0%	73%	67%	12%	12%	69%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	73%	65%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	31%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	65%	51%	18%	18%	59%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	68%	61%	18%	18%	63%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	67%	60%	18%	18%	62%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	67%	59%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	59%	30%	15%	15%	39%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	59%	29%	15%	15%	39%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	58%	28%	15%	15%	39%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	31%	15%	15%	39%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	31%	15%	15%	39%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	60%	31%	15%	15%	39%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	48%	23%	23%	55%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	60%	45%	23%	23%	54%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	58%	40%	23%	22%	52%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	62%	56%	23%	23%	58%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	62%	55%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	62%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	48%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	47%	20%	17%	15%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	46%	19%	17%	15%	31%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	22%	18%	16%	31%	0.12	0.12	1.54

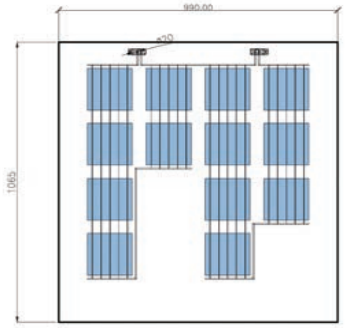
B35

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
20	2.3	8.7	2.7	9.7



B36

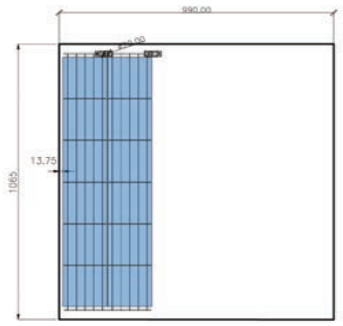
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
65	7.3	8.9	8.8	9.82



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B35	LL3	3	3	N/A	N/A	N/A	N/A	0%	82%	75%	10%	10%	78%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	77%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	77%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	42%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	42%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	42%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	73%	57%	16%	16%	66%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	76%	69%	16%	16%	70%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	75%	68%	16%	16%	70%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	75%	66%	16%	16%	69%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	65%	32%	14%	13%	43%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	68%	34%	14%	13%	43%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	68%	34%	14%	13%	43%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	67%	34%	14%	13%	43%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	68%	53%	22%	22%	61%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	67%	51%	22%	22%	60%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	65%	45%	22%	21%	58%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	70%	62%	22%	22%	65%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	70%	61%	22%	22%	64%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	70%	60%	22%	22%	63%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	53%	23%	16%	15%	35%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	52%	23%	16%	14%	35%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	51%	22%	16%	14%	34%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	55%	24%	16%	15%	36%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	55%	24%	16%	15%	36%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	54%	24%	16%	15%	35%	0.12	0.12	1.54
B36	LL3	3	3	N/A	N/A	N/A	N/A	0%	62%	57%	15%	15%	59%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	62%	56%	15%	15%	58%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	55%	43%	20%	20%	50%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	57%	52%	20%	20%	53%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	57%	51%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	57%	50%	20%	20%	52%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	49%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	51%	40%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	38%	24%	24%	46%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	49%	34%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	47%	24%	24%	49%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	45%	24%	24%	48%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	40%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	41%	18%	20%	18%	27%	0.12	0.12	1.54

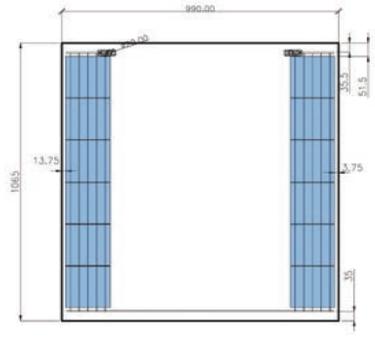
B4

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.84



B5

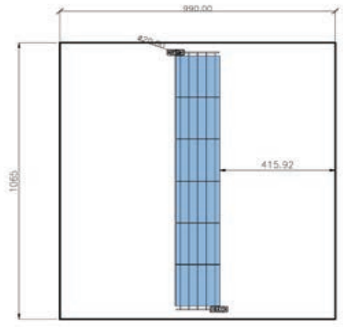
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.74



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B4	LL3	3	3	N/A	N/A	N/A	N/A	0%	64%	59%	14%	14%	61%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	60%	54%	19%	19%	55%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	59%	53%	19%	19%	55%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	17%	34%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	53%	42%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	52%	40%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	51%	35%	24%	23%	45%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	55%	49%	24%	24%	51%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	55%	48%	24%	24%	50%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	55%	47%	24%	24%	50%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	42%	18%	19%	18%	28%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	41%	18%	19%	17%	28%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	43%	19%	19%	18%	28%	0.12	0.12	1.54
B5	LL3	3	3	N/A	N/A	N/A	N/A	0%	64%	59%	14%	14%	61%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	60%	54%	19%	19%	55%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	59%	53%	19%	19%	55%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	17%	34%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	53%	42%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	52%	40%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	51%	35%	24%	23%	45%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	55%	49%	24%	24%	51%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	55%	48%	24%	24%	50%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	55%	47%	24%	24%	50%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	42%	18%	19%	18%	28%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	41%	18%	19%	17%	28%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	43%	19%	19%	18%	28%	0.12	0.12	1.54

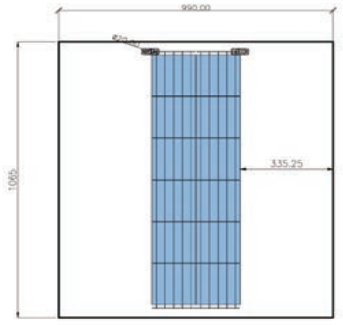
B6

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
30	3.4	8.82	4.1	9.67



B7

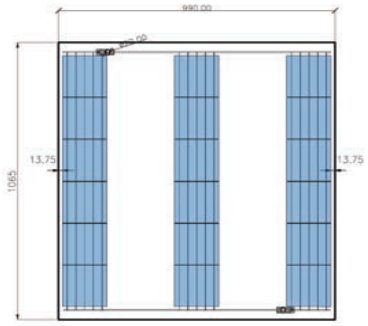
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.67



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
B6	LL3	3	3	N/A	N/A	N/A	N/A	0%	78%	71%	11%	11%	73%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	78%	70%	11%	11%	73%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	77%	69%	11%	11%	73%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	65%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	69%	54%	17%	17%	62%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	72%	65%	17%	17%	67%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	71%	64%	17%	17%	66%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	71%	62%	17%	17%	65%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	62%	32%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	64%	32%	15%	14%	41%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	64%	50%	22%	22%	58%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	63%	48%	22%	22%	57%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	62%	43%	22%	21%	55%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	66%	59%	22%	22%	62%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	66%	58%	22%	22%	61%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	66%	58%	22%	22%	60%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	15%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	50%	21%	16%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	49%	21%	16%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	52%	23%	17%	15%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	51%	23%	17%	15%	33%	0.12	0.12	1.54
B7	LL3	3	3	N/A	N/A	N/A	N/A	0%	64%	59%	14%	14%	61%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	54%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	60%	54%	19%	19%	55%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	59%	53%	19%	19%	55%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	17%	34%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	53%	42%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	52%	40%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	51%	38%	24%	23%	45%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	55%	49%	24%	24%	51%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	55%	48%	24%	24%	50%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	55%	47%	24%	24%	50%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	42%	18%	19%	18%	28%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	41%	18%	19%	17%	28%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	43%	19%	19%	18%	28%	0.12	0.12	1.54

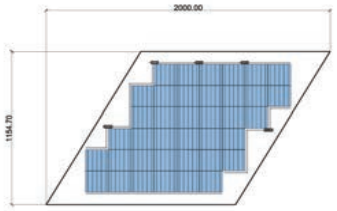
B8

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.81



C101

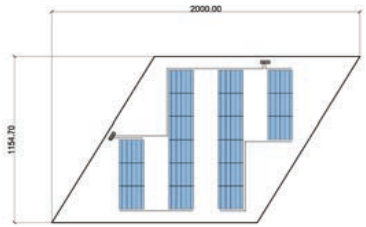
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
210	22.5	9.33	27	9.8



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
B8	LL3	3	3	N/A	N/A	N/A	N/A	0%	51%	47%	18%	18%	48%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	47%	43%	22%	22%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	47%	42%	22%	22%	43%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	42%	21%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	42%	33%	25%	25%	38%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	42%	32%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	43%	39%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	43%	38%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	43%	37%	25%	25%	39%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	22%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	14%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	34%	15%	22%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	22%	20%	22%	0.12	0.12	1.54
C101	LL3	3	3	N/A	N/A	N/A	N/A	0%	34%	31%	22%	22%	32%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	34%	30%	22%	22%	31%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	33%	30%	22%	22%	31%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	30%	23%	24%	24%	27%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	31%	28%	24%	24%	29%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	31%	28%	24%	24%	28%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	31%	27%	24%	24%	28%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	27%	14%	23%	23%	18%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	27%	13%	23%	23%	18%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	27%	13%	23%	23%	18%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	18%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	28%	14%	23%	23%	18%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	27%	14%	23%	23%	18%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	28%	22%	27%	27%	25%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	27%	21%	27%	27%	25%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	27%	18%	27%	26%	24%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	28%	25%	27%	27%	27%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	28%	25%	27%	27%	26%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	28%	24%	27%	27%	26%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	22%	9%	24%	24%	14%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	21%	9%	24%	23%	14%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	21%	9%	24%	23%	14%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	22%	10%	24%	24%	15%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	22%	10%	24%	24%	15%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	22%	10%	24%	24%	14%	0.12	0.12	1.54

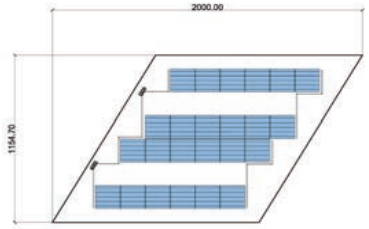
C102

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
105	11.3	9.29	13.5	9.85



C103

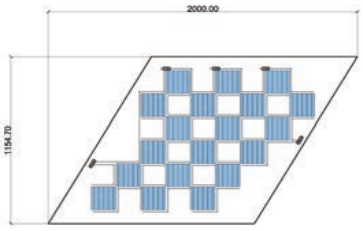
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.76



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C102	LL3	3	3	N/A	N/A	N/A	N/A	0%	64%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	64%	57%	15%	15%	60%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	63%	57%	15%	15%	60%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	57%	44%	19%	19%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	59%	53%	19%	19%	55%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	53%	19%	19%	54%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	19%	19%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	17%	17%	34%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	25%	17%	17%	34%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	53%	27%	17%	17%	34%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	53%	41%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	52%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	45%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	54%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	54%	48%	24%	24%	50%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	54%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	18%	19%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	41%	18%	19%	17%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	43%	19%	19%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	19%	18%	27%	0.12	0.12	1.54
C103	LL3	3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	58%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	20%	20%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	20%	20%	49%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	46%	20%	20%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	36%	24%	24%	42%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	20%	19%	25%	0.12	0.12	1.54

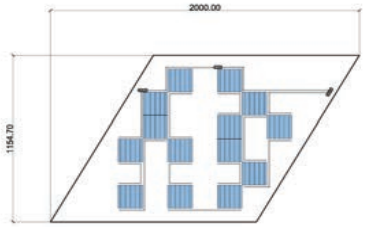
C104

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
105	11.3	9.29	13.5	9.83



C105

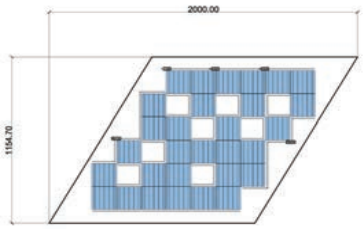
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
70	7.9	8.86	9.5	9.66



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C104	LL3	3	3	N/A	N/A	N/A	N/A	0%	62%	57%	15%	15%	59%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	62%	56%	15%	15%	58%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	55%	43%	20%	20%	50%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	57%	52%	20%	20%	53%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	57%	51%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	57%	50%	20%	20%	52%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	49%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	51%	40%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	38%	24%	24%	46%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	49%	34%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	47%	24%	24%	49%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	45%	24%	24%	48%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	40%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	41%	18%	20%	18%	27%	0.12	0.12	1.54
C105	LL3	3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	65%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	65%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	48%	18%	18%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	64%	58%	18%	18%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	64%	56%	18%	18%	58%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	56%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	56%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	58%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	57%	43%	23%	23%	51%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	38%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	54%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	51%	23%	23%	54%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	18%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	44%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	18%	17%	30%	0.12	0.12	1.54

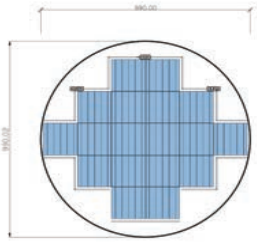
C106

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
155	16.9	9.17	20.3	9.77



C11

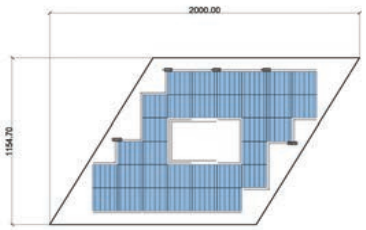
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.76



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C106	LL3	3	3	N/A	N/A	N/A	N/A	0%	46%	42%	19%	19%	43%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	46%	41%	19%	19%	43%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	45%	41%	19%	19%	43%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	41%	32%	22%	22%	37%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	42%	38%	22%	22%	39%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	42%	38%	22%	22%	39%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	42%	37%	22%	22%	38%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	37%	19%	21%	20%	24%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	37%	18%	21%	20%	24%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	36%	18%	21%	20%	24%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	38%	19%	21%	20%	24%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	38%	19%	21%	20%	24%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	37%	19%	21%	20%	24%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	38%	30%	25%	25%	34%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	37%	28%	25%	25%	34%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	36%	25%	25%	25%	32%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	39%	35%	25%	25%	36%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	39%	34%	25%	25%	36%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	39%	33%	25%	25%	35%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	30%	13%	22%	21%	20%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	29%	13%	22%	21%	20%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	29%	12%	22%	21%	19%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	31%	14%	22%	21%	20%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	31%	14%	22%	21%	20%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	30%	14%	22%	21%	20%	0.12	0.12	1.54
C11	LL3	3	3	N/A	N/A	N/A	N/A	0%	36%	33%	21%	21%	34%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	36%	33%	21%	21%	34%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	36%	32%	21%	21%	34%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	32%	25%	24%	24%	29%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	34%	30%	24%	24%	31%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	33%	30%	24%	24%	31%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	33%	29%	24%	24%	30%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	29%	15%	23%	22%	19%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	29%	14%	23%	22%	19%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	29%	14%	23%	22%	19%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	30%	15%	23%	22%	19%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	30%	15%	23%	22%	19%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	30%	15%	23%	22%	19%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	30%	24%	26%	26%	27%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	30%	22%	26%	26%	27%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	29%	20%	26%	26%	26%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	31%	28%	26%	26%	29%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	31%	27%	26%	26%	28%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	31%	26%	26%	26%	28%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	24%	10%	24%	23%	16%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	23%	10%	24%	23%	16%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	23%	10%	24%	23%	15%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	24%	11%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	24%	11%	24%	23%	16%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	24%	11%	24%	23%	16%	0.12	0.12	1.54

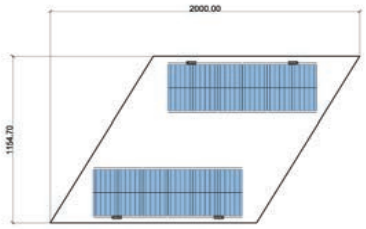
C111

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
180	19.1	9.42	23	9.69



C112

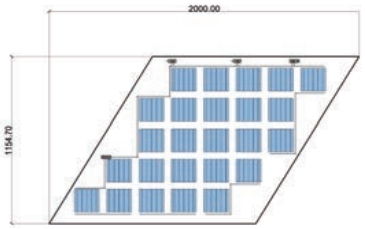
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
95	10.1	9.41	12.2	9.76



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C111	LL3	3	3	N/A	N/A	N/A	N/A	0%	43%	39%	20%	20%	40%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	43%	38%	20%	20%	40%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	40%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	38%	29%	23%	23%	34%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	39%	36%	23%	23%	36%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	39%	35%	23%	23%	36%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	39%	34%	23%	23%	36%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	34%	16%	22%	21%	22%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	35%	18%	22%	21%	22%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	35%	18%	22%	21%	22%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	35%	28%	26%	26%	32%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	35%	26%	26%	26%	31%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	34%	23%	26%	25%	30%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	36%	32%	26%	26%	34%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	36%	32%	26%	26%	33%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	36%	31%	26%	26%	33%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	18%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	27%	12%	23%	22%	18%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	27%	11%	23%	22%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	28%	13%	23%	22%	18%	0.12	0.12	1.54
C112	LL3	3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	49%	38%	21%	21%	44%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	50%	44%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	45%	35%	25%	25%	41%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	44%	34%	25%	25%	40%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	43%	30%	25%	24%	38%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	46%	41%	25%	25%	43%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	46%	41%	25%	25%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	46%	40%	25%	25%	42%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	23%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	36%	16%	21%	20%	23%	0.12	0.12	1.54

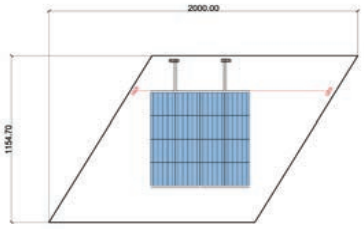
C113

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
140	15.2	9.21	18.2	9.67



C114

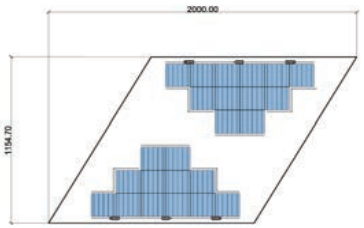
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.66



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C113	LL3	3	3	N/A	N/A	N/A	N/A	0%	52%	47%	18%	18%	49%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	52%	47%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	46%	36%	21%	21%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	48%	43%	21%	21%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	47%	43%	21%	21%	44%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	47%	41%	21%	21%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	43%	22%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	43%	22%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	42%	22%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	43%	33%	25%	25%	39%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	42%	32%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	44%	39%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	44%	39%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	44%	37%	25%	25%	40%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	21%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	14%	21%	20%	22%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	35%	15%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	21%	20%	22%	0.12	0.12	1.54
C114	LL3	3	3	N/A	N/A	N/A	N/A	0%	67%	61%	14%	14%	63%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	67%	60%	14%	14%	62%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	59%	46%	19%	19%	54%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	62%	56%	19%	19%	57%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	61%	55%	19%	19%	57%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	61%	54%	19%	19%	56%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	54%	27%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	54%	26%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	53%	26%	17%	16%	35%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	55%	28%	17%	16%	35%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	54%	28%	17%	16%	35%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	55%	43%	23%	23%	50%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	54%	41%	23%	23%	49%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	53%	37%	23%	23%	47%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	57%	51%	23%	23%	53%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	57%	50%	23%	23%	52%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	57%	48%	23%	23%	51%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	43%	18%	19%	18%	29%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	43%	18%	18%	17%	29%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	44%	20%	19%	18%	29%	0.12	0.12	1.54

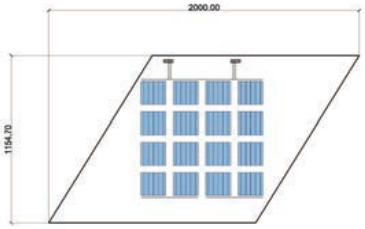
C115

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.82



C116

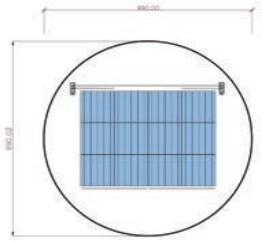
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.69



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C115	LL3	3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	49%	38%	21%	21%	44%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	50%	44%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	45%	35%	25%	25%	41%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	44%	34%	25%	25%	40%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	43%	30%	25%	24%	38%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	46%	41%	25%	25%	43%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	46%	41%	25%	25%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	46%	40%	25%	25%	42%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	23%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	36%	16%	21%	20%	23%	0.12	0.12	1.54
C116	LL3	3	3	N/A	N/A	N/A	N/A	0%	67%	61%	14%	14%	63%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	67%	60%	14%	14%	62%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	34%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	59%	46%	19%	19%	54%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	62%	56%	19%	19%	57%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	61%	55%	19%	19%	57%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	61%	54%	19%	19%	56%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	54%	27%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	54%	26%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	53%	26%	17%	16%	35%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	55%	28%	17%	16%	35%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	54%	28%	17%	16%	35%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	55%	43%	23%	23%	50%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	54%	41%	23%	23%	49%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	53%	37%	23%	23%	47%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	57%	51%	23%	23%	53%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	57%	50%	23%	23%	52%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	57%	48%	23%	23%	51%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	43%	18%	19%	18%	29%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	43%	18%	18%	17%	29%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	45%	20%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	44%	20%	19%	18%	29%	0.12	0.12	1.54

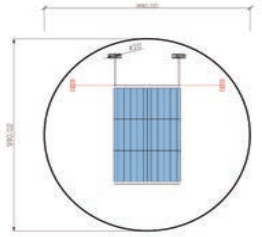
C12

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.78



C13

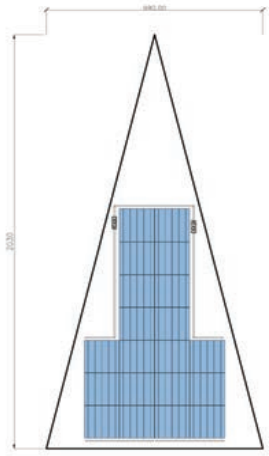
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
30	3.4	8.82	4.1	9.81



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C12	LL3	3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	49%	38%	21%	21%	44%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	50%	44%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	45%	35%	25%	25%	41%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	44%	34%	25%	25%	40%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	43%	30%	25%	24%	38%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	46%	41%	25%	25%	43%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	46%	41%	25%	25%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	46%	40%	25%	25%	42%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	23%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	36%	16%	21%	20%	23%	0.12	0.12	1.54
C13	LL3	3	3	N/A	N/A	N/A	N/A	0%	73%	66%	12%	12%	69%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	72%	65%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	65%	50%	18%	18%	58%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	67%	61%	18%	18%	62%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	66%	60%	18%	18%	62%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	30%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	58%	28%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	59%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	47%	23%	23%	54%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	59%	45%	23%	23%	54%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	58%	40%	23%	22%	51%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	62%	55%	23%	23%	58%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	62%	54%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	62%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	47%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	46%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	46%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	22%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	22%	18%	16%	31%	0.12	0.12	1.54

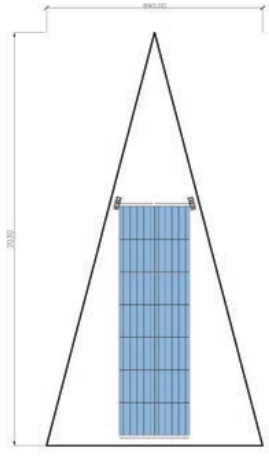
C14

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.68



C15

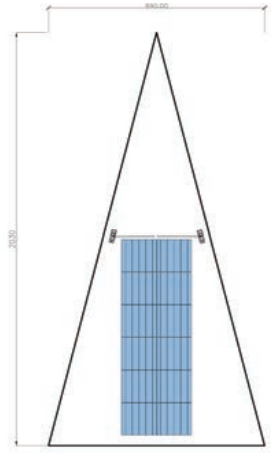
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.68



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C14	LL3	3	3	N/A	N/A	N/A	N/A	0%	45%	41%	19%	19%	42%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	45%	40%	19%	19%	42%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	44%	40%	19%	19%	42%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	37%	19%	20%	20%	22%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	37%	19%	20%	20%	22%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	37%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	37%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	37%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	40%	31%	23%	23%	36%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	41%	37%	23%	23%	38%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	41%	37%	23%	23%	38%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	41%	36%	23%	23%	37%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	24%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	36%	18%	21%	21%	24%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	35%	17%	21%	21%	24%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	37%	19%	21%	21%	24%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	37%	19%	21%	21%	24%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	36%	19%	21%	21%	24%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	37%	29%	26%	26%	33%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	36%	27%	26%	26%	33%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	35%	25%	26%	25%	31%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	38%	34%	26%	26%	35%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	38%	33%	26%	26%	35%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	38%	32%	26%	26%	34%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	29%	12%	23%	22%	19%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	28%	12%	22%	21%	19%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	28%	12%	22%	21%	19%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	30%	13%	23%	22%	20%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	30%	13%	23%	22%	20%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	29%	13%	23%	22%	19%	0.12	0.12	1.54
C15	LL3	3	3	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	52%	41%	20%	20%	47%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	54%	49%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	50%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	23%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	38%	24%	24%	44%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	48%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	50%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	50%	44%	24%	24%	46%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	50%	42%	24%	24%	45%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	38%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	18%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	15%	20%	18%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	17%	20%	19%	25%	0.12	0.12	1.54

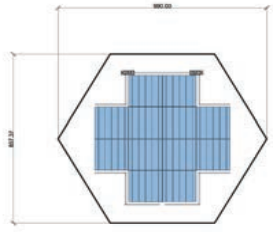
C16

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.79



C17

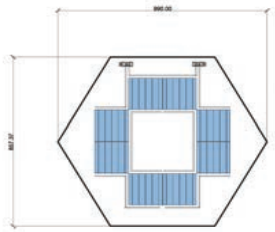
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
60	6.8	8.82	8.1	9.77



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C16	LL3	3	3	N/A	N/A	N/A	N/A	0%	63%	58%	15%	15%	60%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	53%	26%	16%	15%	32%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	53%	20%	20%	54%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	58%	52%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	51%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	52%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	52%	41%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	39%	24%	24%	47%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	50%	35%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	48%	24%	24%	50%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	46%	24%	24%	49%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	41%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	40%	17%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	19%	20%	18%	28%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	42%	19%	20%	18%	27%	0.12	0.12	1.54
C17	LL3	3	3	N/A	N/A	N/A	N/A	0%	47%	43%	19%	19%	44%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	47%	42%	19%	19%	44%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	47%	42%	19%	19%	44%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	23%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	23%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	24%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	24%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	24%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	42%	33%	22%	22%	38%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	43%	39%	22%	22%	40%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	43%	39%	22%	22%	40%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	43%	38%	22%	22%	39%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	37%	18%	21%	20%	25%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	39%	20%	21%	20%	25%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	39%	20%	21%	20%	25%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	38%	20%	21%	20%	25%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	39%	31%	25%	25%	35%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	38%	29%	25%	25%	35%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	37%	26%	25%	25%	33%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	40%	36%	25%	25%	37%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	40%	35%	25%	25%	37%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	40%	34%	25%	25%	36%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	31%	13%	22%	21%	20%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	30%	13%	22%	21%	20%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	29%	12%	22%	21%	20%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	31%	14%	22%	21%	20%	0.12	0.12	1.54

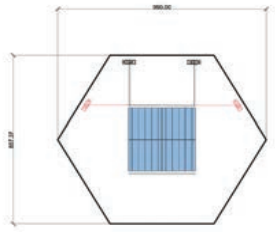
C18

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
40	4.5	8.89	5.4	9.78



C19

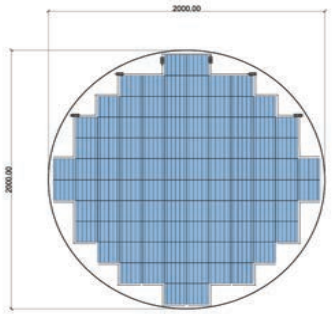
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
20	2.3	8.7	2.7	9.73



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C18	LL3	3	3	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	58%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	62%	56%	15%	15%	58%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	61%	55%	15%	15%	58%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	55%	43%	20%	20%	50%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	57%	52%	20%	20%	53%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	56%	51%	20%	20%	52%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	56%	50%	20%	20%	52%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	49%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	50%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	51%	40%	24%	24%	48%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	50%	38%	24%	24%	45%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	49%	34%	24%	23%	43%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	52%	47%	24%	24%	49%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	52%	46%	24%	24%	48%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	52%	45%	24%	24%	47%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	40%	17%	20%	18%	26%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	39%	17%	19%	18%	26%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	41%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	41%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	41%	18%	20%	18%	26%	0.12	0.12	1.54
C19	LL3	3	3	N/A	N/A	N/A	N/A	0%	76%	70%	12%	12%	72%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	76%	69%	12%	12%	71%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	76%	68%	12%	12%	71%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	39%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	68%	53%	17%	17%	61%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	70%	64%	17%	17%	65%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	70%	63%	17%	17%	65%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	70%	61%	17%	17%	64%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	61%	31%	15%	14%	40%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	61%	30%	15%	14%	40%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	60%	29%	15%	14%	40%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	63%	32%	15%	14%	40%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	63%	32%	15%	14%	40%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	62%	32%	15%	14%	40%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	63%	50%	22%	22%	57%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	62%	47%	22%	22%	56%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	60%	42%	22%	22%	54%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	65%	58%	22%	22%	60%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	65%	57%	22%	22%	60%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	65%	55%	22%	22%	59%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	50%	21%	17%	16%	33%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	49%	21%	17%	15%	33%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	48%	20%	17%	15%	32%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	51%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	51%	23%	17%	16%	34%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	50%	23%	17%	16%	33%	0.12	0.12	1.54

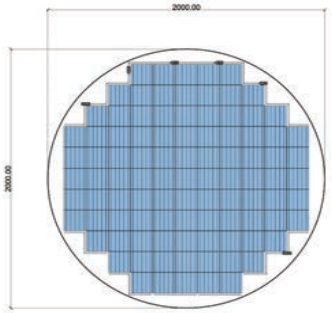
C21

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
505	54	9.35	64.8	9.69



C22

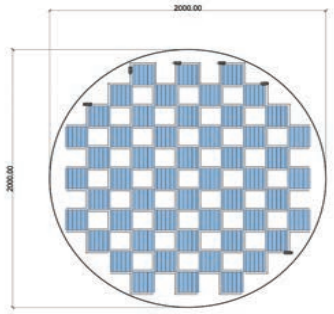
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
510	54.6	9.34	65.5	9.74



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C21	LL3	3	3	N/A	N/A	N/A	N/A	0%	20%	18%	25%	25%	19%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	20%	18%	25%	25%	18%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	20%	18%	25%	25%	18%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	18%	14%	27%	27%	16%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	18%	17%	27%	27%	17%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	18%	16%	27%	27%	17%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	18%	16%	27%	27%	17%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	16%	8%	26%	26%	10%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	16%	8%	26%	26%	10%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	16%	8%	26%	26%	10%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	16%	8%	26%	26%	10%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	16%	8%	26%	26%	10%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	16%	8%	26%	26%	10%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	16%	13%	28%	28%	15%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	16%	12%	28%	28%	15%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	16%	11%	28%	28%	14%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	17%	15%	28%	28%	16%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	17%	15%	28%	28%	15%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	17%	14%	28%	28%	15%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	13%	5%	27%	26%	8%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	13%	5%	27%	26%	8%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	12%	5%	27%	26%	8%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	13%	6%	27%	26%	9%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	13%	6%	27%	26%	9%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	13%	6%	27%	26%	8%	0.12	0.12	1.54
C22	LL3	3	3	N/A	N/A	N/A	N/A	0%	19%	17%	25%	25%	18%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	19%	17%	25%	25%	18%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	19%	17%	25%	25%	18%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	16%	8%	26%	26%	9%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	16%	8%	26%	26%	9%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	16%	8%	26%	26%	10%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	16%	8%	26%	26%	10%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	16%	8%	26%	26%	10%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	17%	13%	27%	27%	15%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	18%	16%	27%	27%	16%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	17%	16%	27%	27%	16%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	17%	15%	27%	27%	16%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	15%	8%	26%	26%	10%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	15%	8%	26%	26%	10%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	15%	7%	26%	26%	10%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	16%	8%	26%	26%	10%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	16%	8%	26%	26%	10%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	15%	8%	26%	26%	10%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	16%	12%	28%	28%	14%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	15%	12%	28%	28%	14%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	15%	10%	28%	28%	13%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	16%	14%	28%	28%	15%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	16%	14%	28%	28%	15%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	16%	14%	28%	28%	15%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	12%	5%	27%	26%	8%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	12%	5%	27%	26%	8%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	12%	5%	27%	26%	8%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	13%	6%	27%	26%	8%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	13%	6%	27%	26%	8%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	13%	6%	27%	26%	8%	0.12	0.12	1.54

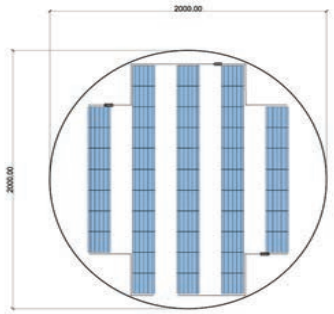
C23

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
275	29.3	9.39	35.1	9.69



C24

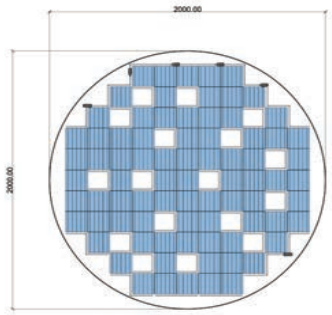
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
245	26.5	9.25	31.7	9.7



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C23	LL3	3	3	N/A	N/A	N/A	N/A	0%	52%	48%	17%	17%	50%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	52%	47%	17%	17%	49%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	52%	47%	17%	17%	49%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	47%	36%	21%	21%	42%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	48%	44%	21%	21%	45%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	48%	43%	21%	21%	44%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	48%	42%	21%	21%	44%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	28%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	28%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	41%	20%	20%	19%	28%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	43%	22%	20%	19%	28%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	43%	22%	20%	19%	28%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	43%	22%	20%	19%	28%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	43%	34%	25%	25%	39%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	43%	32%	25%	25%	39%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	41%	29%	25%	24%	37%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	44%	40%	25%	25%	41%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	44%	39%	25%	25%	41%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	44%	38%	25%	25%	40%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	34%	14%	21%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	33%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	33%	14%	21%	20%	22%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	35%	16%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	35%	16%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	35%	16%	21%	20%	22%	0.12	0.12	1.54
C24	LL3	3	3	N/A	N/A	N/A	N/A	0%	56%	51%	16%	16%	53%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	56%	51%	16%	16%	52%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	56%	50%	16%	16%	52%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	52%	47%	21%	21%	48%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	51%	46%	21%	21%	47%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	51%	45%	21%	21%	47%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	44%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	46%	36%	24%	24%	42%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	46%	35%	24%	24%	41%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	44%	31%	24%	24%	39%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	47%	43%	24%	24%	44%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	47%	42%	24%	24%	44%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	47%	41%	24%	24%	43%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	36%	15%	21%	20%	24%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	36%	15%	20%	19%	24%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	35%	15%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	20%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	20%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	37%	17%	21%	20%	24%	0.12	0.12	1.54

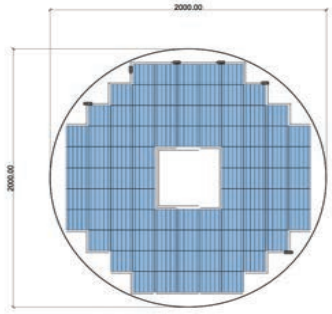
C25

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
420	45	9.33	54	9.78



C31

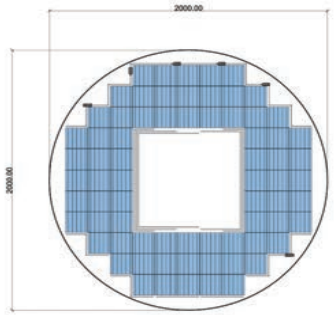
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
455	48.4	9.4	58.1	9.67



Panel	Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C25	LL3	3	3	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	31%	28%	22%	22%	30%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	28%	22%	25%	25%	25%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	29%	26%	25%	25%	27%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	29%	26%	25%	25%	27%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	29%	25%	25%	25%	26%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	25%	13%	24%	23%	17%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	25%	13%	24%	23%	17%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	25%	12%	24%	23%	17%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	26%	13%	24%	23%	17%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	26%	13%	24%	23%	17%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	26%	13%	24%	23%	17%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	26%	21%	27%	27%	24%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	26%	19%	27%	27%	23%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	25%	17%	27%	27%	22%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	27%	24%	27%	27%	25%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	27%	24%	27%	27%	25%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	27%	23%	27%	27%	24%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	21%	9%	25%	24%	14%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	20%	9%	24%	24%	14%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	20%	8%	24%	24%	13%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	21%	9%	25%	24%	14%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	21%	9%	25%	24%	14%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	21%	9%	25%	24%	14%	0.12	0.12	1.54
C31	LL3	3	3	N/A	N/A	N/A	N/A	0%	27%	25%	23%	23%	26%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	27%	25%	23%	23%	25%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	27%	24%	23%	23%	25%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	23%	11%	24%	24%	13%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	23%	11%	24%	24%	13%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	23%	11%	24%	24%	14%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	23%	11%	24%	24%	14%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	23%	11%	24%	24%	14%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	24%	19%	26%	26%	22%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	25%	23%	26%	26%	23%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	25%	22%	26%	26%	23%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	25%	22%	26%	26%	23%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	22%	11%	25%	24%	14%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	22%	11%	25%	24%	14%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	22%	10%	25%	24%	14%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	22%	11%	25%	24%	14%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	22%	11%	25%	24%	14%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	22%	11%	25%	24%	14%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	22%	18%	27%	27%	20%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	22%	17%	27%	27%	20%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	22%	15%	27%	27%	19%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	23%	21%	27%	27%	22%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	23%	20%	27%	27%	21%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	23%	20%	27%	27%	21%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	18%	7%	26%	25%	12%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	17%	7%	25%	25%	12%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	17%	7%	25%	25%	11%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	18%	8%	26%	25%	12%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	18%	8%	26%	25%	12%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	18%	8%	26%	25%	12%	0.12	0.12	1.54

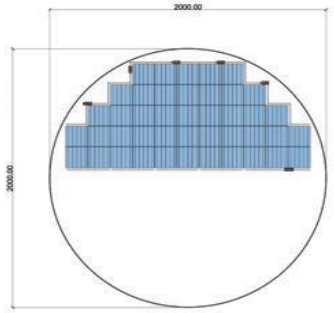
C32

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
370	39.4	9.39	47.3	9.67



C33

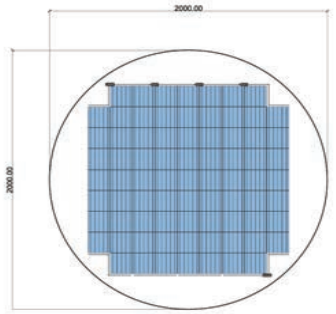
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
225	24.2	9.3	29	9.84



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C32	LL3	3	3	N/A	N/A	N/A	N/A	0%	39%	36%	21%	21%	37%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	36%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	36%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	33%	16%	21%	21%	19%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	33%	16%	21%	21%	19%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	33%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	33%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	33%	16%	21%	21%	20%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	35%	27%	24%	24%	31%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	36%	33%	24%	24%	33%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	36%	32%	24%	24%	33%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	36%	31%	24%	24%	33%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	31%	16%	22%	22%	21%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	31%	15%	22%	22%	21%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	31%	15%	22%	22%	21%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	32%	16%	22%	22%	21%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	32%	16%	22%	22%	21%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	32%	16%	22%	22%	21%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	32%	25%	26%	26%	29%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	32%	24%	26%	26%	29%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	31%	21%	26%	26%	27%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	33%	30%	26%	26%	31%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	33%	29%	26%	26%	30%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	33%	28%	26%	26%	30%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	25%	11%	24%	23%	17%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	25%	11%	23%	22%	17%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	24%	10%	23%	22%	16%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	26%	12%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	26%	12%	24%	23%	17%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	26%	12%	24%	23%	17%	0.12	0.12	1.54
C33	LL3	3	3	N/A	N/A	N/A	N/A	0%	59%	54%	16%	16%	56%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	49%	25%	17%	16%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	49%	25%	17%	16%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	49%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	49%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	49%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	53%	41%	20%	20%	47%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	55%	49%	20%	20%	51%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	54%	49%	20%	20%	50%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	54%	47%	20%	20%	49%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	49%	25%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	49%	25%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	48%	25%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	49%	38%	24%	24%	44%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	48%	36%	24%	24%	44%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	47%	32%	24%	24%	42%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	50%	45%	24%	24%	47%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	50%	44%	24%	24%	46%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	50%	43%	24%	24%	45%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	38%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	38%	16%	20%	18%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	16%	20%	18%	25%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	18%	20%	19%	25%	0.12	0.12	1.54

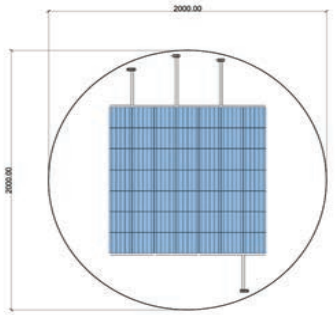
C34

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
405	43.4	9.33	52	9.68



C35

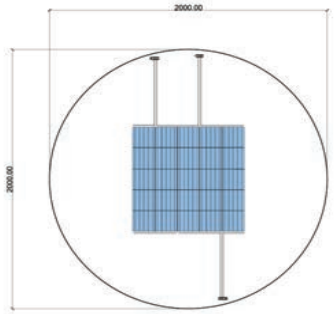
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
255	27.6	9.24	33.1	9.8



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C34	LL3	3	3	N/A	N/A	N/A	N/A	0%	34%	31%	22%	22%	32%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	34%	31%	22%	22%	32%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	34%	30%	22%	22%	32%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	30%	23%	24%	24%	27%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	31%	28%	24%	24%	29%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	31%	28%	24%	24%	29%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	31%	27%	24%	24%	28%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	27%	14%	23%	23%	18%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	27%	13%	23%	23%	18%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	27%	13%	23%	23%	18%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	18%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	28%	14%	23%	23%	18%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	28%	14%	23%	23%	18%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	28%	22%	27%	27%	25%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	28%	21%	27%	27%	25%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	27%	19%	27%	26%	24%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	29%	26%	27%	27%	27%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	29%	25%	27%	27%	26%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	29%	25%	27%	27%	26%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	22%	9%	24%	24%	15%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	22%	9%	24%	23%	15%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	21%	9%	24%	23%	14%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	23%	10%	24%	24%	15%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	23%	10%	24%	24%	15%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	22%	10%	24%	24%	15%	0.12	0.12	1.54
C35	LL3	3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	49%	38%	21%	21%	44%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	50%	44%	21%	21%	46%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	45%	35%	25%	25%	41%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	44%	34%	25%	25%	40%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	43%	30%	25%	24%	38%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	46%	41%	25%	25%	43%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	46%	41%	25%	25%	43%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	46%	40%	25%	25%	42%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	35%	15%	20%	19%	23%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	37%	16%	21%	20%	24%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	36%	16%	21%	20%	23%	0.12	0.12	1.54

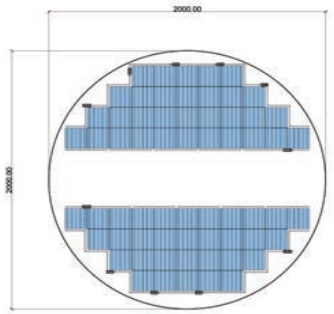
C36

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
130	14.1	9.22	16.9	9.76



C41

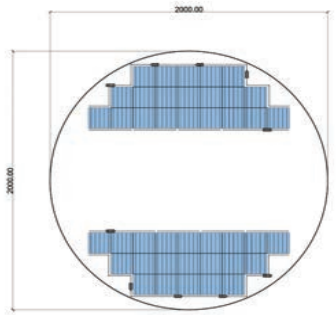
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
335	36	9.31	43.2	9.76



Panel	Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C36	LL3	3	3	N/A	N/A	N/A	N/A	0%	72%	66%	12%	12%	68%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	72%	64%	12%	12%	68%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	61%	30%	14%	13%	37%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	64%	50%	18%	18%	58%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	67%	61%	18%	18%	62%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	66%	60%	18%	18%	61%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	60%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	59%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	60%	47%	23%	23%	54%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	59%	45%	23%	23%	53%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	57%	40%	23%	22%	51%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	61%	55%	23%	23%	57%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	61%	54%	23%	23%	57%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	61%	53%	23%	23%	56%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	47%	20%	18%	16%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	46%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	49%	21%	18%	16%	32%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	48%	21%	18%	16%	31%	0.12	0.12	1.54
C41	LL3	3	3	N/A	N/A	N/A	N/A	0%	44%	40%	19%	19%	41%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	44%	39%	19%	19%	41%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	43%	39%	19%	19%	41%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	39%	30%	23%	23%	35%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	40%	36%	23%	23%	37%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	40%	36%	23%	23%	37%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	40%	35%	23%	23%	36%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	35%	17%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	34%	17%	21%	21%	23%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	23%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	36%	28%	26%	26%	33%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	35%	27%	26%	26%	32%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	34%	24%	26%	25%	31%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	37%	33%	26%	26%	34%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	37%	33%	26%	26%	34%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	37%	32%	26%	26%	33%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	19%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	28%	12%	22%	21%	19%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	27%	11%	22%	21%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	29%	13%	23%	22%	19%	0.12	0.12	1.54

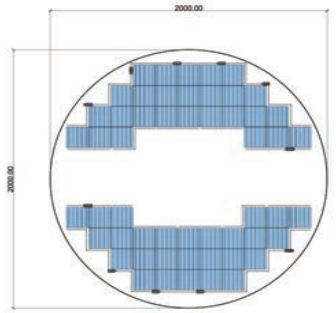
C42

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
220	23.6	9.32	28.4	9.82



C43

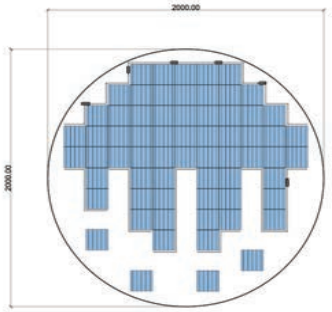
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
285	30.4	9.38	36.5	9.71



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C42	LL3	3	3	N/A	N/A	N/A	N/A	0%	60%	55%	16%	16%	57%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	60%	54%	16%	16%	56%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	56%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	53%	41%	20%	20%	48%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	55%	50%	20%	20%	51%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	55%	49%	20%	20%	51%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	55%	48%	20%	20%	50%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	32%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	32%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	47%	23%	18%	18%	32%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	49%	25%	18%	18%	32%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	49%	25%	18%	18%	32%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	49%	25%	18%	18%	32%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	49%	39%	24%	24%	45%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	49%	37%	24%	24%	44%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	47%	33%	24%	23%	42%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	51%	45%	24%	24%	47%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	51%	45%	24%	24%	47%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	51%	43%	24%	24%	46%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	39%	16%	20%	19%	26%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	38%	16%	19%	18%	26%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	16%	19%	18%	25%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	39%	18%	20%	19%	26%	0.12	0.12	1.54
C43	LL3	3	3	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	50%	45%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	45%	35%	22%	22%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	47%	43%	22%	22%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	46%	42%	22%	22%	43%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	46%	41%	22%	22%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	40%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	42%	33%	25%	25%	38%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	41%	31%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	40%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	43%	39%	25%	25%	40%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	43%	38%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	43%	37%	25%	25%	39%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	22%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	32%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	34%	15%	22%	20%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	34%	15%	22%	20%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	22%	20%	22%	0.12	0.12	1.54

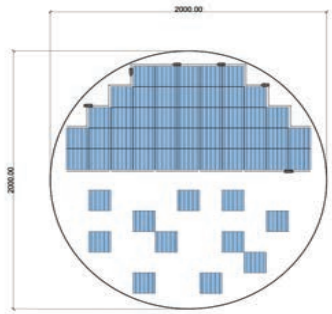
C51

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
325	34.9	9.31	41.9	9.85



C52

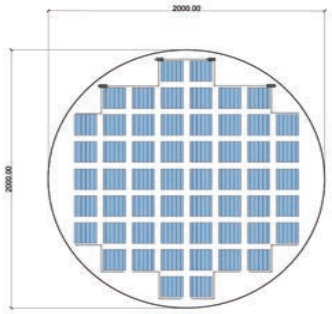
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
225	24.2	9.3	29	9.66



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C51	LL3	3	3	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	40%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	39%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	42%	37%	20%	20%	39%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	37%	29%	23%	23%	34%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	39%	35%	23%	23%	36%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	38%	35%	23%	23%	36%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	38%	34%	23%	23%	35%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	33%	16%	22%	21%	22%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	35%	18%	22%	21%	22%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	34%	18%	22%	21%	22%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	35%	27%	26%	26%	31%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	34%	26%	26%	26%	31%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	33%	23%	26%	25%	30%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	36%	32%	26%	26%	33%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	36%	31%	26%	26%	33%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	36%	30%	26%	26%	32%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	27%	12%	23%	22%	18%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	27%	12%	23%	22%	18%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	26%	11%	23%	22%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	18%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	28%	12%	23%	22%	18%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	28%	12%	23%	22%	18%	0.12	0.12	1.54
C52	LL3	3	3	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	50%	45%	18%	18%	48%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	43%	21%	19%	18%	26%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	45%	35%	22%	22%	41%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	47%	43%	22%	22%	44%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	46%	42%	22%	22%	43%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	46%	41%	22%	22%	43%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	40%	20%	20%	19%	27%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	42%	21%	20%	19%	27%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	42%	33%	25%	25%	38%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	41%	31%	25%	25%	38%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	40%	28%	25%	24%	36%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	43%	39%	25%	25%	40%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	43%	38%	25%	25%	40%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	43%	37%	25%	25%	39%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	33%	14%	22%	20%	22%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	32%	14%	21%	20%	22%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	32%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	34%	15%	22%	20%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	34%	15%	22%	20%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	34%	15%	22%	20%	22%	0.12	0.12	1.54

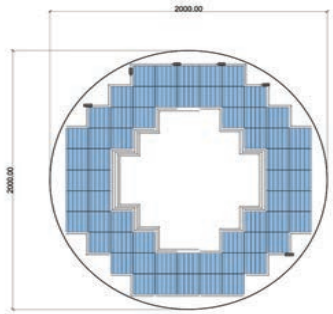
C53

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
125	13.5	9.26	16.2	9.68



C54

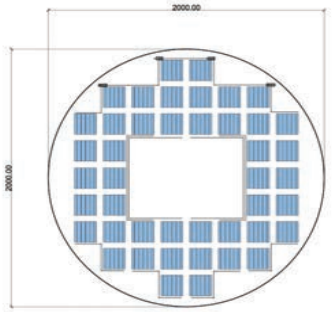
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
315	33.8	9.32	40.5	9.66



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C53	LL3	3	3	N/A	N/A	N/A	N/A	0%	49%	45%	18%	18%	47%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	49%	45%	18%	18%	46%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	41%	21%	19%	19%	25%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	46%	41%	22%	22%	42%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	45%	41%	22%	22%	42%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	41%	21%	20%	20%	26%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	40%	21%	20%	20%	26%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	41%	32%	25%	25%	37%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	40%	30%	25%	25%	36%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	39%	27%	25%	25%	35%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	42%	37%	25%	25%	39%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	42%	37%	25%	25%	39%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	42%	36%	25%	25%	38%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	32%	14%	21%	20%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	31%	13%	21%	20%	21%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	33%	15%	22%	21%	22%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	33%	15%	22%	21%	21%	0.12	0.12	1.54
C54	LL3	3	3	N/A	N/A	N/A	N/A	0%	46%	42%	19%	19%	44%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	46%	42%	19%	19%	43%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	46%	41%	19%	19%	43%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	39%	19%	20%	19%	23%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	39%	19%	20%	19%	23%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	39%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	39%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	39%	19%	20%	19%	23%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	41%	32%	22%	22%	37%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	43%	39%	22%	22%	40%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	42%	38%	22%	22%	39%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	42%	37%	22%	22%	39%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	37%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	37%	18%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	37%	18%	21%	20%	25%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	38%	19%	21%	20%	25%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	38%	30%	25%	25%	35%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	38%	29%	25%	25%	34%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	37%	26%	25%	25%	33%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	39%	35%	25%	25%	37%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	39%	35%	25%	25%	36%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	39%	34%	25%	25%	36%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	30%	13%	22%	21%	20%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	30%	13%	22%	21%	20%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	29%	12%	22%	21%	19%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	31%	14%	22%	21%	20%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	31%	14%	22%	21%	20%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	31%	14%	22%	21%	20%	0.12	0.12	1.54

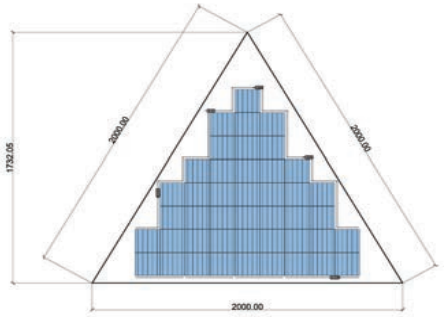
C55

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
250	27	9.26	32.4	9.71



C61

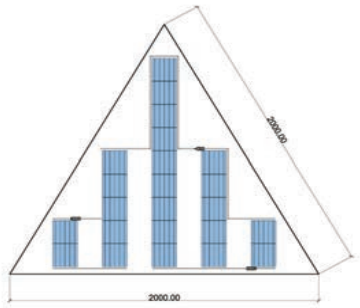
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
245	26.5	9.25	31.7	9.68



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C55	LL3	3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	58%	53%	16%	16%	55%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	49%	24%	17%	17%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	49%	24%	17%	17%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	49%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	52%	40%	20%	20%	47%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	54%	49%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	47%	23%	18%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	22%	18%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	38%	24%	24%	44%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	44%	24%	24%	46%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	45%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	38%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	18%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	37%	15%	20%	18%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	20%	19%	25%	0.12	0.12	1.54
C61	LL3	3	3	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	31%	28%	22%	22%	30%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	27%	13%	23%	23%	16%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	27%	13%	23%	23%	16%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	27%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	27%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	27%	13%	23%	23%	16%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	28%	22%	25%	25%	26%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	29%	27%	25%	25%	27%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	29%	26%	25%	25%	27%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	29%	26%	25%	25%	27%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	26%	13%	24%	23%	17%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	26%	13%	24%	23%	17%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	25%	12%	24%	23%	17%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	26%	13%	24%	23%	17%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	26%	13%	24%	23%	17%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	26%	13%	24%	23%	17%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	26%	21%	27%	27%	24%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	26%	20%	27%	27%	23%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	25%	17%	27%	27%	22%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	27%	24%	27%	27%	25%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	27%	24%	27%	27%	25%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	27%	23%	27%	27%	24%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	21%	9%	25%	24%	14%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	20%	9%	24%	24%	14%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	20%	8%	24%	24%	13%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	21%	9%	25%	24%	14%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	21%	9%	25%	24%	14%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	21%	9%	25%	24%	14%	0.12	0.12	1.54

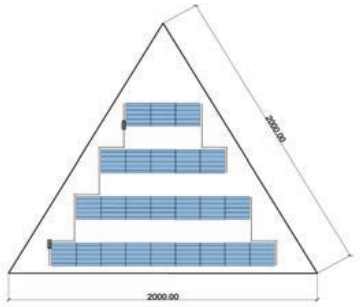
C62

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
130	14.1	9.22	16.9	9.79



C63

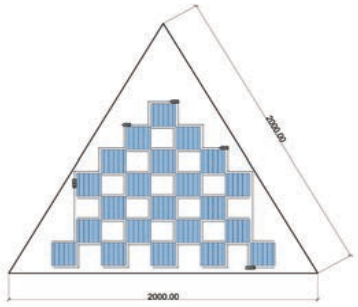
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
130	14.1	9.22	16.9	9.74



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C62	LL3	3	3	N/A	N/A	N/A	N/A	0%	60%	55%	15%	15%	57%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	60%	54%	15%	15%	56%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	59%	53%	15%	15%	56%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	53%	42%	20%	20%	48%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	55%	50%	20%	20%	51%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	55%	50%	20%	20%	51%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	55%	48%	20%	20%	50%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	48%	24%	18%	17%	32%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	48%	24%	18%	17%	32%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	48%	23%	18%	17%	32%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	50%	25%	18%	17%	32%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	50%	25%	18%	17%	32%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	49%	25%	18%	17%	32%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	50%	39%	24%	24%	45%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	49%	37%	24%	24%	44%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	48%	33%	24%	23%	42%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	51%	46%	24%	24%	48%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	51%	45%	24%	24%	47%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	51%	44%	24%	24%	46%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	26%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	38%	17%	19%	18%	26%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	38%	16%	19%	18%	25%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	40%	18%	20%	19%	26%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	40%	18%	20%	19%	26%	0.12	0.12	1.54
C63	LL3	3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	57%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	21%	21%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	52%	46%	21%	21%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	47%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	35%	24%	24%	42%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	45%	32%	24%	24%	40%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	45%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	21%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	21%	19%	25%	0.12	0.12	1.54

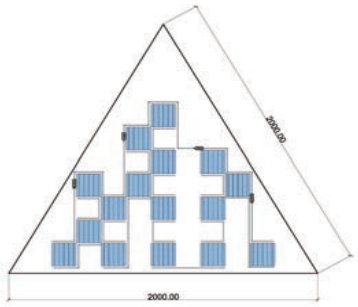
C64

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
115	12.4	9.27	14.9	9.77



C65

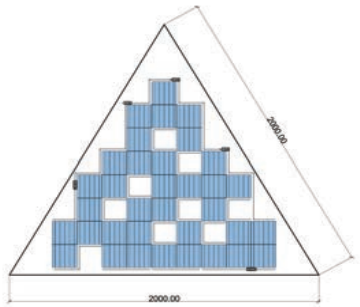
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
80	9	8.89	10.8	9.74



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C64	LL3	3	3	N/A	N/A	N/A	N/A	0%	61%	56%	15%	15%	58%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	61%	55%	15%	15%	57%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	61%	55%	15%	15%	57%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	51%	26%	17%	16%	30%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	51%	26%	17%	16%	30%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	51%	26%	17%	16%	31%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	51%	26%	17%	16%	31%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	51%	26%	17%	16%	31%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	55%	43%	20%	20%	49%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	57%	51%	20%	20%	53%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	56%	51%	20%	20%	52%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	56%	49%	20%	20%	51%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	49%	25%	18%	17%	32%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	49%	24%	18%	17%	32%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	49%	24%	18%	17%	32%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	32%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	51%	26%	18%	17%	32%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	50%	26%	18%	17%	32%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	51%	40%	24%	24%	46%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	50%	38%	24%	24%	45%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	49%	34%	24%	23%	43%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	52%	47%	24%	24%	49%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	52%	46%	24%	24%	48%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	52%	45%	24%	24%	47%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	40%	17%	20%	19%	26%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	39%	17%	19%	18%	26%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	38%	16%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	41%	18%	20%	19%	27%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	41%	18%	20%	19%	27%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	40%	18%	20%	19%	26%	0.12	0.12	1.54
C65	LL3	3	3	N/A	N/A	N/A	N/A	0%	69%	63%	13%	13%	66%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	69%	63%	13%	13%	65%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	65%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	34%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	34%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	62%	48%	19%	19%	56%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	64%	58%	19%	19%	60%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	63%	57%	19%	19%	59%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	63%	56%	19%	19%	58%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	56%	28%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	56%	27%	16%	15%	37%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	57%	29%	16%	15%	37%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	57%	29%	16%	15%	37%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	57%	45%	23%	23%	52%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	56%	43%	23%	23%	51%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	55%	38%	23%	22%	49%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	59%	53%	23%	23%	55%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	59%	52%	23%	23%	54%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	59%	50%	23%	23%	53%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	45%	19%	19%	17%	30%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	44%	19%	18%	16%	30%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	47%	21%	19%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	47%	21%	19%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	46%	21%	19%	17%	30%	0.12	0.12	1.54

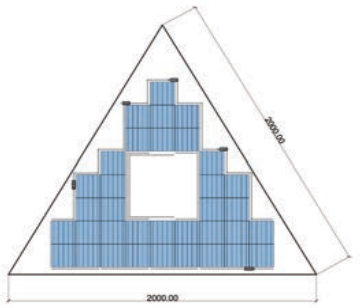
C66

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
180	19.1	9.42	23	9.74



C71

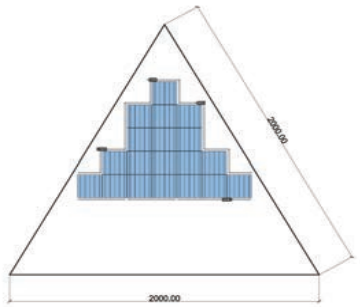
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
200	21.4	9.35	25.7	9.81



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C66	LL3	3	3	N/A	N/A	N/A	N/A	0%	45%	41%	19%	19%	43%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	45%	41%	19%	19%	42%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	45%	40%	19%	19%	42%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	38%	19%	20%	20%	22%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	38%	19%	20%	20%	22%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	38%	19%	20%	20%	23%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	40%	31%	23%	23%	36%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	42%	38%	23%	23%	39%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	41%	37%	23%	23%	38%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	41%	36%	23%	23%	38%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	24%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	36%	18%	21%	21%	24%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	36%	17%	21%	21%	24%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	37%	19%	21%	21%	24%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	37%	19%	21%	21%	24%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	37%	19%	21%	21%	24%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	37%	29%	26%	26%	34%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	37%	28%	26%	26%	33%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	36%	25%	26%	25%	32%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	38%	34%	26%	26%	36%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	38%	34%	26%	26%	35%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	38%	33%	26%	26%	35%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	29%	12%	23%	22%	19%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	29%	12%	22%	21%	19%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	28%	12%	22%	21%	19%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	30%	13%	23%	22%	20%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	30%	13%	23%	22%	20%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	30%	13%	23%	22%	19%	0.12	0.12	1.54
C71	LL3	3	3	N/A	N/A	N/A	N/A	0%	44%	40%	19%	19%	42%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	44%	40%	19%	19%	41%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	43%	39%	19%	19%	41%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	37%	18%	20%	20%	22%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	37%	18%	20%	20%	22%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	37%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	37%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	37%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	39%	30%	23%	23%	35%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	41%	37%	23%	23%	38%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	40%	36%	23%	23%	37%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	40%	35%	23%	23%	37%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	35%	17%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	35%	17%	21%	21%	23%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	23%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	36%	18%	21%	21%	23%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	36%	28%	26%	26%	33%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	36%	27%	26%	26%	32%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	35%	24%	26%	25%	31%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	37%	33%	26%	26%	35%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	37%	33%	26%	26%	34%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	37%	32%	26%	26%	34%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	19%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	28%	12%	22%	21%	19%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	28%	12%	22%	21%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	29%	13%	23%	22%	19%	0.12	0.12	1.54

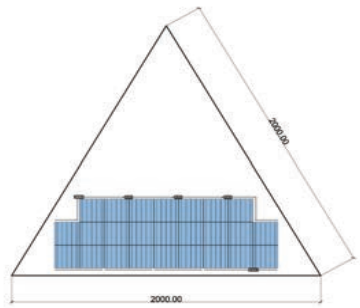
C72

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
115	12.4	9.27	14.9	9.81



C73

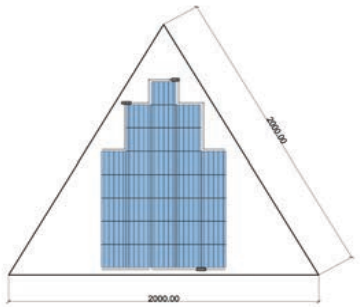
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
130	14.1	9.22	16.9	9.81



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C72	LL3	3	3	N/A	N/A	N/A	N/A	0%	65%	60%	14%	14%	62%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	65%	59%	14%	14%	61%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	65%	58%	14%	14%	61%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	55%	27%	16%	15%	32%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	55%	27%	16%	15%	32%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	55%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	55%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	55%	27%	16%	15%	33%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	58%	45%	19%	19%	52%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	60%	55%	19%	19%	56%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	60%	54%	19%	19%	55%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	60%	52%	19%	19%	55%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	52%	27%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	52%	26%	17%	16%	35%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	52%	25%	17%	16%	35%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	54%	27%	17%	16%	35%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	54%	27%	17%	16%	35%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	53%	27%	17%	16%	35%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	54%	42%	24%	24%	49%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	53%	40%	24%	24%	48%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	52%	36%	24%	23%	46%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	55%	50%	24%	24%	52%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	55%	49%	24%	24%	51%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	55%	47%	24%	24%	50%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	42%	18%	19%	18%	28%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	42%	18%	18%	17%	28%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	41%	17%	18%	17%	27%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	44%	19%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	44%	19%	19%	18%	29%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	43%	19%	19%	18%	28%	0.12	0.12	1.54
C73	LL3	3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	57%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	21%	21%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	52%	46%	21%	21%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	47%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	35%	24%	24%	42%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	45%	32%	24%	24%	40%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	45%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	21%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	21%	19%	25%	0.12	0.12	1.54

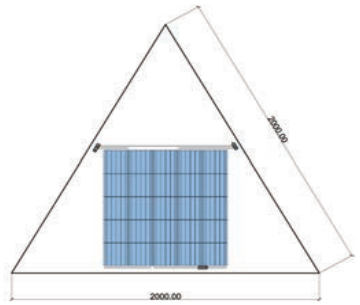
C74

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
185	19.7	9.39	23.6	9.81



C75

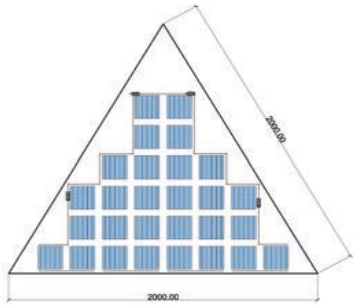
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
130	14.1	9.22	16.9	9.83



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C74	LL3	3	3	N/A	N/A	N/A	N/A	0%	48%	44%	18%	18%	45%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	48%	43%	18%	18%	45%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	47%	43%	18%	18%	45%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	43%	33%	22%	22%	38%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	44%	40%	22%	22%	41%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	44%	40%	22%	22%	41%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	44%	38%	22%	22%	40%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	38%	18%	21%	20%	25%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	40%	20%	21%	20%	25%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	40%	20%	21%	20%	25%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	39%	20%	21%	20%	25%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	40%	31%	25%	25%	36%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	39%	30%	25%	25%	35%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	38%	26%	25%	25%	34%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	41%	36%	25%	25%	38%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	41%	36%	25%	25%	37%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	41%	35%	25%	25%	37%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	31%	13%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	13%	22%	21%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	30%	13%	22%	21%	20%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	14%	22%	21%	21%	0.12	0.12	1.54
C75	LL3	3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	57%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	21%	21%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	52%	46%	21%	21%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	47%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	35%	24%	24%	42%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	45%	32%	24%	24%	40%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	45%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	21%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	21%	19%	25%	0.12	0.12	1.54

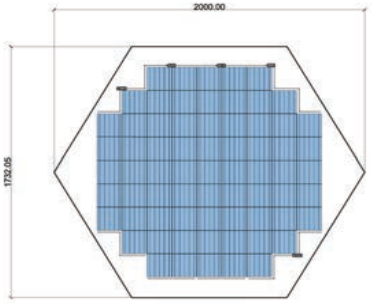
C76

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
155	16.9	9.17	20.3	9.73



C81

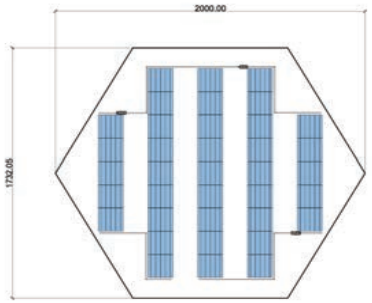
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
385	41.1	9.37	49.3	9.68



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C76	LL3	3	3	N/A	N/A	N/A	N/A	0%	53%	49%	17%	17%	50%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	53%	48%	17%	17%	50%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	53%	47%	17%	17%	50%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	26%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	26%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	27%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	27%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	27%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	47%	37%	21%	21%	43%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	49%	45%	21%	21%	46%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	49%	44%	21%	21%	45%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	49%	43%	21%	21%	45%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	43%	22%	19%	19%	28%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	43%	21%	19%	19%	28%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	42%	21%	19%	19%	28%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	28%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	44%	22%	19%	19%	28%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	43%	22%	19%	19%	28%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	44%	35%	25%	25%	40%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	43%	33%	25%	25%	39%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	42%	29%	25%	24%	38%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	45%	40%	25%	25%	42%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	45%	40%	25%	25%	42%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	45%	39%	25%	25%	41%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	35%	15%	21%	20%	23%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	34%	15%	21%	19%	23%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	33%	14%	21%	19%	22%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	36%	16%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	36%	16%	21%	20%	23%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	35%	16%	21%	20%	23%	0.12	0.12	1.54
C81	LL3	3	3	N/A	N/A	N/A	N/A	0%	29%	27%	23%	23%	28%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	29%	26%	23%	23%	27%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	29%	26%	23%	23%	27%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	15%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	15%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	15%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	26%	20%	25%	25%	23%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	27%	24%	25%	25%	25%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	27%	24%	25%	25%	25%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	27%	23%	25%	25%	24%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	23%	11%	24%	24%	15%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	24%	12%	24%	24%	15%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	24%	12%	24%	24%	15%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	24%	12%	24%	24%	15%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	24%	19%	27%	27%	22%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	24%	18%	27%	27%	21%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	23%	16%	27%	27%	20%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	25%	22%	27%	27%	23%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	25%	22%	27%	27%	23%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	25%	21%	27%	27%	22%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	19%	8%	25%	25%	12%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	19%	8%	25%	24%	12%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	18%	8%	25%	24%	12%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	20%	9%	25%	25%	13%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	20%	9%	25%	25%	13%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	19%	9%	25%	25%	12%	0.12	0.12	1.54

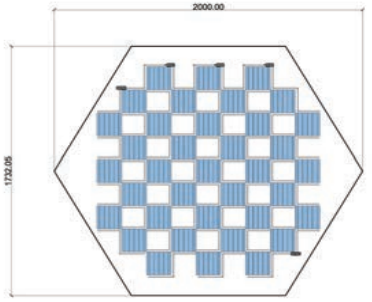
C82

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
195	20.8	9.38	25	9.67



C83

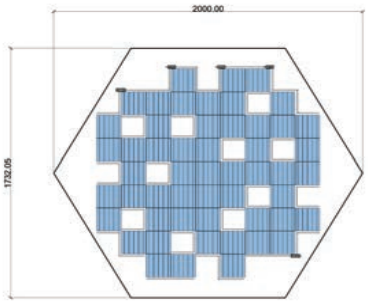
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
195	20.8	9.38	25	9.85



Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
C82	LL3	3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	58%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	20%	20%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	48%	20%	20%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	24%	19%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	22%	19%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	19%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	20%	19%	25%	0.12	0.12	1.54
C83	LL3	3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	58%	52%	16%	16%	54%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	40%	20%	20%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	20%	20%	50%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	53%	46%	20%	20%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	24%	19%	18%	31%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	31%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	46%	22%	19%	18%	31%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	31%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	48%	24%	19%	18%	31%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	47%	24%	19%	18%	31%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	48%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	47%	36%	24%	24%	43%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	46%	32%	24%	24%	41%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	49%	44%	24%	24%	46%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	49%	42%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	20%	19%	25%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	39%	17%	20%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	20%	19%	25%	0.12	0.12	1.54

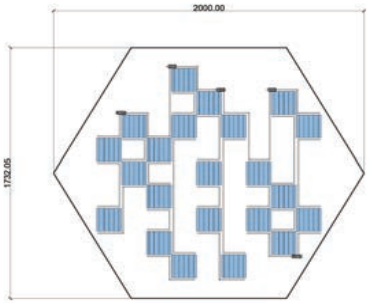
C84

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
280	29.8	9.4	35.8	9.66



C85

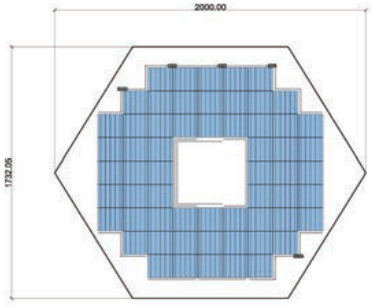
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
115	12.4	9.27	14.9	9.71



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C84	LL3	3	3	N/A	N/A	N/A	N/A	0%	43%	40%	19%	19%	41%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	43%	39%	19%	19%	41%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	43%	39%	19%	19%	41%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	21%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	21%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	39%	30%	23%	23%	35%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	40%	36%	23%	23%	37%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	40%	36%	23%	23%	37%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	40%	35%	23%	23%	36%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	35%	17%	21%	21%	23%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	34%	17%	21%	21%	23%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	23%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	36%	28%	26%	26%	32%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	35%	27%	26%	26%	32%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	34%	24%	26%	25%	31%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	37%	33%	26%	26%	34%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	37%	32%	26%	26%	34%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	37%	32%	26%	26%	33%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	19%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	28%	12%	22%	21%	19%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	27%	11%	22%	21%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	29%	13%	23%	22%	19%	0.12	0.12	1.54
C85	LL3	3	3	N/A	N/A	N/A	N/A	0%	71%	65%	13%	13%	67%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	71%	64%	13%	13%	67%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	70%	63%	13%	13%	67%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	36%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	63%	49%	18%	18%	57%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	66%	60%	18%	18%	61%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	65%	59%	18%	18%	60%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	65%	57%	18%	18%	60%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	57%	29%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	56%	27%	16%	15%	38%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	59%	30%	16%	15%	38%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	59%	30%	16%	15%	38%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	58%	30%	16%	15%	38%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	59%	46%	23%	23%	53%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	58%	44%	23%	23%	52%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	56%	39%	23%	22%	50%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	60%	54%	23%	23%	56%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	60%	53%	23%	23%	56%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	60%	52%	23%	23%	55%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	46%	20%	18%	17%	31%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	45%	20%	17%	16%	31%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	48%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	48%	21%	18%	17%	31%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	47%	21%	18%	17%	31%	0.12	0.12	1.54

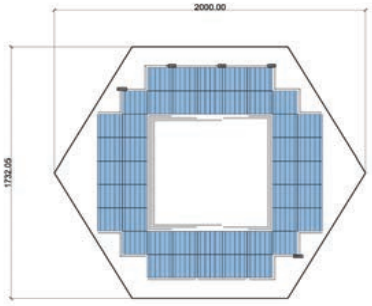
C91

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
390	41.7	9.35	50	9.71



C92

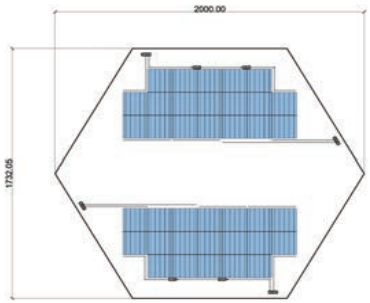
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
305	32.7	9.33	39.2	9.78



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C91	LL3	3	3	N/A	N/A	N/A	N/A	0%	28%	26%	23%	23%	27%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	28%	25%	23%	23%	26%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	28%	25%	23%	23%	26%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	25%	20%	25%	25%	23%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	26%	24%	25%	25%	24%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	23%	11%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	23%	11%	24%	24%	15%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	22%	11%	24%	24%	15%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	23%	12%	24%	24%	15%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	23%	18%	27%	27%	21%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	23%	17%	27%	27%	21%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	22%	16%	27%	27%	20%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	24%	21%	27%	27%	22%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	24%	21%	27%	27%	22%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	24%	20%	27%	27%	22%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	18%	8%	25%	25%	12%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	18%	8%	25%	24%	12%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	18%	7%	25%	24%	12%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	19%	8%	25%	25%	12%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	19%	8%	25%	25%	12%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	19%	8%	25%	25%	12%	0.12	0.12	1.54
C92	LL3	3	3	N/A	N/A	N/A	N/A	0%	43%	39%	20%	20%	40%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	0%	43%	38%	20%	20%	40%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	40%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	22%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	38%	29%	23%	23%	34%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	39%	36%	23%	23%	36%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	0%	39%	35%	23%	23%	36%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	39%	34%	23%	23%	36%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	34%	16%	22%	21%	22%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	35%	18%	22%	21%	22%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	35%	18%	22%	21%	22%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	35%	28%	26%	26%	32%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	0%	35%	26%	26%	26%	31%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	34%	23%	26%	25%	30%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	36%	32%	26%	26%	34%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	0%	36%	32%	26%	26%	33%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	36%	31%	26%	26%	33%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	28%	12%	23%	22%	18%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	27%	12%	23%	22%	18%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	27%	11%	23%	22%	18%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	29%	13%	23%	22%	19%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	28%	13%	23%	22%	18%	0.12	0.12	1.54

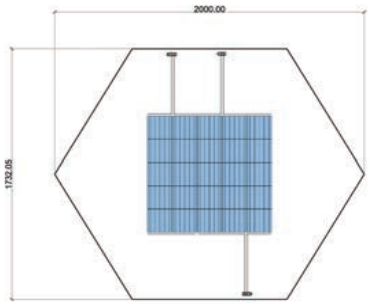
C93

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
220	23.6	9.32	28.4	9.82



C94

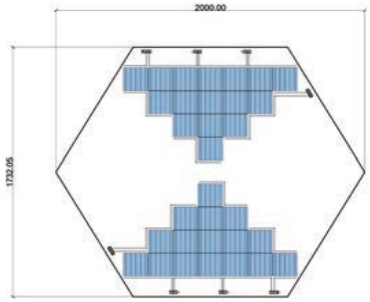
Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
50	5.6	8.93	6.8	9.73



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C93	LL3	3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	57%	51%	16%	16%	53%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	56%	51%	16%	16%	53%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	51%	39%	21%	21%	46%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	48%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	52%	46%	21%	21%	48%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	45%	22%	19%	18%	30%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	46%	24%	19%	18%	30%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	47%	37%	24%	24%	43%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	46%	35%	24%	24%	42%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	45%	31%	24%	24%	40%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	48%	43%	24%	24%	45%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	48%	43%	24%	24%	44%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	48%	41%	24%	24%	44%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	37%	16%	21%	19%	24%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	36%	16%	20%	19%	24%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	38%	17%	21%	19%	25%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	38%	17%	21%	19%	24%	0.12	0.12	1.54
C94	LL3	3	3	N/A	N/A	N/A	N/A	0%	82%	75%	10%	10%	78%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	77%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	77%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	73%	57%	16%	16%	66%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	76%	69%	16%	16%	70%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	75%	68%	16%	16%	69%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	75%	66%	16%	16%	69%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	66%	32%	14%	13%	43%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	65%	32%	14%	13%	43%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	68%	34%	14%	13%	43%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	68%	34%	14%	13%	43%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	67%	34%	14%	13%	43%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	68%	53%	22%	22%	61%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	67%	50%	22%	22%	60%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	65%	45%	22%	21%	58%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	69%	62%	22%	22%	65%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	69%	61%	22%	22%	64%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	69%	59%	22%	22%	63%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	53%	23%	16%	15%	35%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	52%	23%	16%	14%	35%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	51%	22%	16%	14%	34%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	55%	24%	16%	15%	36%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	55%	24%	16%	15%	36%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	54%	24%	16%	15%	35%	0.12	0.12	1.54

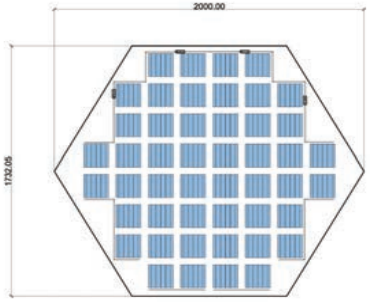
C95

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
165	18	9.17	21.6	9.68



C96

Module Power (W)	Max. Power Voltage - Vmax (V)	Max. Power Current - Imax (A)	Open Circuit Current - Voc (V)	Short Circuit Current - Isc (A)
250	27	9.26	32.4	9.68



Panel Model	Panel Type	Layers: Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness	UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance: Exterior	Visible Reflectance: Interior	Solar Heat Gain Coefficient	U-Value (BTU/hrft2F): Winter Nighttime	U-Value (BTU/hrft2F): Summer Daytime	Light to Solar Gain
C95	LL3	3	3	N/A	N/A	N/A	N/A	0%	62%	57%	15%	15%	59%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	62%	56%	15%	15%	58%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	55%	43%	20%	20%	50%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	58%	52%	20%	20%	53%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	57%	51%	20%	20%	53%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	57%	50%	20%	20%	52%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	49%	24%	18%	17%	33%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	51%	40%	24%	24%	47%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	51%	38%	24%	24%	46%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	49%	34%	24%	23%	44%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	53%	47%	24%	24%	49%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	53%	47%	24%	24%	49%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	53%	45%	24%	24%	48%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	40%	17%	20%	18%	27%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	40%	17%	19%	18%	27%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	42%	18%	20%	18%	27%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	41%	18%	20%	18%	27%	0.12	0.12	1.54
C96	LL3	3	3	N/A	N/A	N/A	N/A	0%	48%	44%	18%	18%	45%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	48%	43%	18%	18%	45%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	47%	43%	18%	18%	45%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	43%	33%	22%	22%	38%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	44%	40%	22%	22%	41%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	44%	40%	22%	22%	41%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	44%	38%	22%	22%	40%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	38%	20%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	38%	18%	21%	20%	25%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	40%	20%	21%	20%	25%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	40%	20%	21%	20%	25%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	39%	20%	21%	20%	25%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	40%	31%	25%	25%	36%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	39%	30%	25%	25%	35%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	38%	26%	25%	25%	34%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	41%	36%	25%	25%	38%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	41%	36%	25%	25%	37%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	41%	35%	25%	25%	37%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	31%	13%	22%	21%	21%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	31%	13%	22%	21%	21%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	30%	13%	22%	21%	20%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	32%	14%	22%	21%	21%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	32%	14%	22%	21%	21%	0.12	0.12	1.54

Panel		Layers						UV %	Visible Light Transmittance	Total Solar Transmittance	Visible Reflectance		Solar Heat Gain Coefficient	U-Value (BTU/hrft2F)		Light to Solar Gain
Panel Model	Panel Type	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Spacer Size	Glass L4 Thickness				Exterior	Interior		Winter Nighttime	Summer Daytime	
Non-Active	LL3	3	3	N/A	N/A	N/A	N/A	0%	91%	83%	8%	8%	86%	1.00	0.90	1.06
	LL4	4	4	N/A	N/A	N/A	N/A	1%	91%	82%	8%	8%	85%	0.99	0.90	1.07
	LL6	6	6	N/A	N/A	N/A	N/A	0%	90%	81%	8%	8%	85%	0.97	0.88	1.06
	LLLE3	3	3	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	1.00	0.90	1.69
	LLLE4	4	4	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	0.99	0.90	1.69
	LLLE6	6	6	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	46%	0.97	0.88	1.65
	LLSC3	6	6	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	46%	0.97	0.88	1.65
	LLSC4	6	6	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	46%	0.97	0.88	1.65
	LLSC6	6	6	12	6	N/A	N/A	0%	81%	63%	15%	15%	73%	0.44	0.46	1.11
	LLSL3	3	3	12	3	N/A	N/A	0%	84%	76%	15%	15%	78%	0.45	0.47	1.08
	LLSL4	4	4	12	4	N/A	N/A	1%	83%	75%	15%	15%	77%	0.44	0.47	1.08
	LLSL6	6	6	12	6	N/A	N/A	0%	83%	73%	15%	15%	76%	0.44	0.46	1.09
	LLSCLE3	3	3	12	3	N/A	N/A	0%	73%	37%	12%	11%	48%	0.24	0.22	1.52
	LLSCLE4	4	4	12	4	N/A	N/A	0%	73%	36%	12%	11%	48%	0.24	0.22	1.52
	LLSCLE6	6	6	12	6	N/A	N/A	0%	72%	35%	12%	11%	48%	0.24	0.22	1.50
	LLSLLE3	3	3	12	3	N/A	N/A	0%	75%	38%	12%	11%	48%	0.29	0.27	1.56
	LLSLLE4	4	4	12	4	N/A	N/A	0%	75%	38%	12%	11%	48%	0.28	0.26	1.56
	LLSLLE6	6	6	12	6	N/A	N/A	0%	74%	38%	12%	11%	48%	0.24	0.22	1.54
	LLSCSC3	3	3	12	3	12	3	0%	75%	59%	21%	21%	68%	0.29	0.32	1.10
	LLSCSC4	4	4	12	4	12	4	1%	74%	56%	21%	21%	67%	0.28	0.32	1.10
	LLSCSC6	6	6	12	6	12	6	0%	72%	50%	21%	20%	64%	0.28	0.32	1.13
	LLSLSL3	3	3	12	3	12	3	0%	77%	69%	21%	21%	72%	0.29	0.32	1.07
	LLSLSL4	4	4	12	4	12	4	1%	77%	68%	21%	21%	71%	0.28	0.32	1.08
	LLSLSL6	6	6	12	6	12	6	0%	77%	66%	21%	21%	70%	0.28	0.32	1.10
	LLSCSCLE3	3	3	12	3	12	3	0%	59%	25%	15%	13%	39%	0.12	0.12	1.51
	LLSCSCLE4	4	4	12	4	12	4	0%	58%	25%	14%	12%	39%	0.12	0.12	1.49
	LLSCSCLE6	6	6	12	6	12	6	0%	57%	24%	14%	12%	38%	0.12	0.12	1.50
	LLSLSLLE3	3	3	12	3	12	3	0%	61%	27%	15%	13%	40%	0.12	0.12	1.53
	LLSLSLLE4	4	4	12	4	12	4	0%	61%	27%	15%	13%	40%	0.12	0.12	1.53
	LLSLSLLE6	6	6	12	6	12	6	0%	60%	27%	15%	13%	39%	0.12	0.12	1.54

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