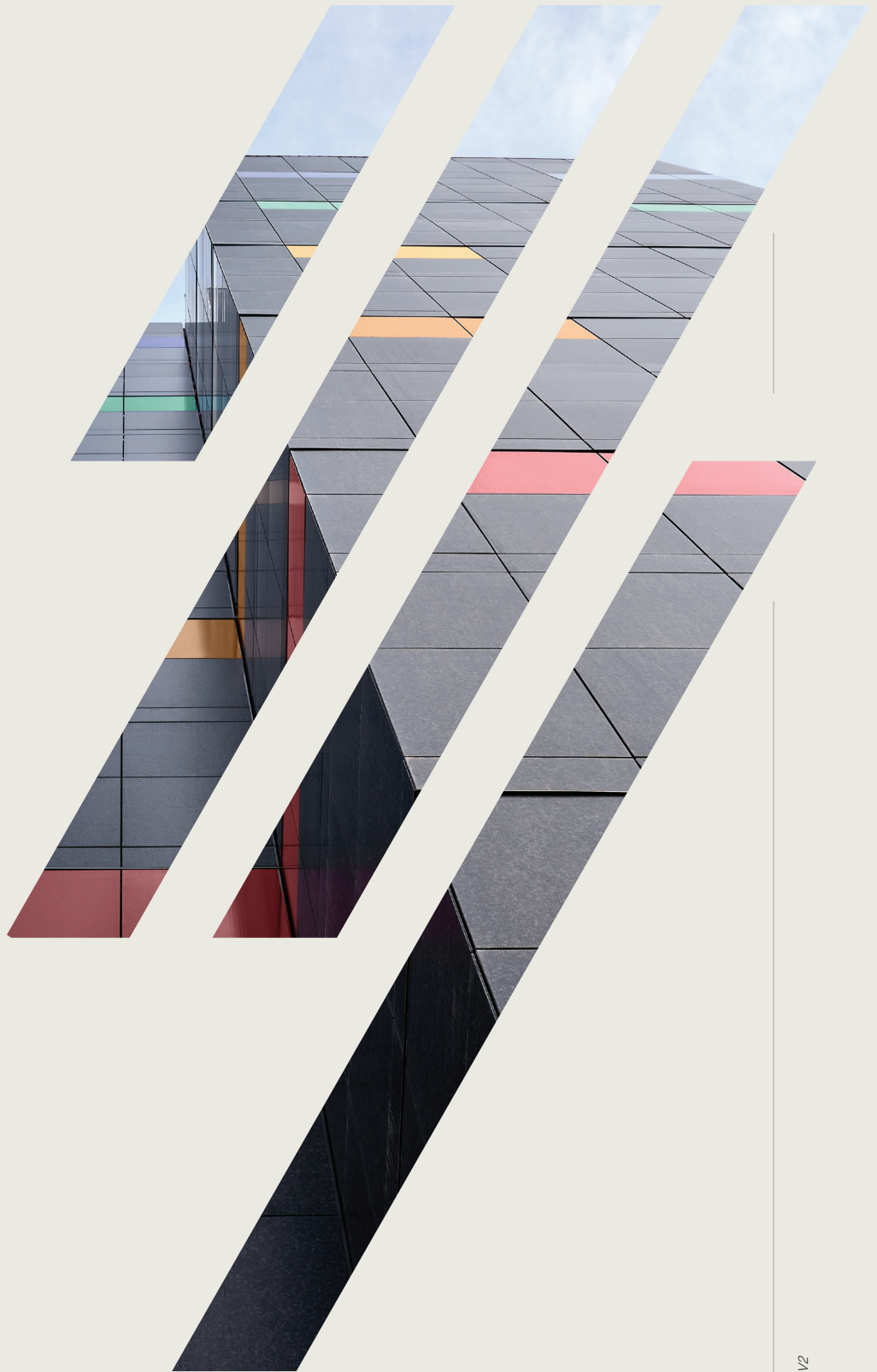




250814 - V2

Designing With Mitrex eFacade PRO: Optimizing BIPV Design

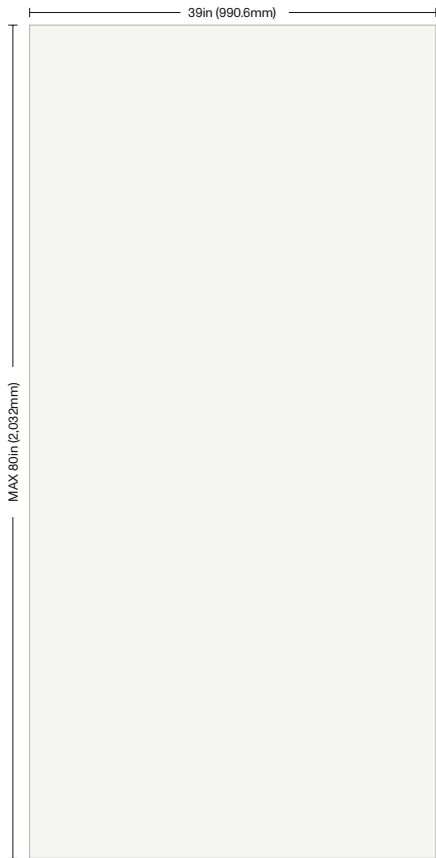
 **MITREX**[™]
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Designing With Mitrex eFacade PRO

For BIPV, the possibilities are as limitless as the sun’s energy. Mitrex offers eFacade PRO panels in a wide range of sizes, with a maximum dimension of 80 × 39 inches. For larger sizes, refer to Mitrex eFacade PRO+. Our BIPV modules don’t follow a one-size-fits-all approach—they are available in a spectrum of sizes and configurations to suit any design vision.

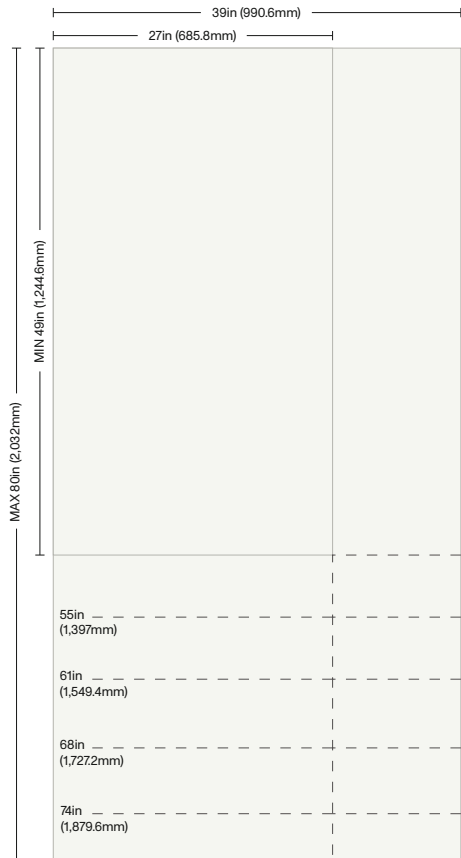
1. Standard Module Sizes

For production and energy optimization purposes, Mitrex eFacade PRO modules are handled in 12 standard sizes. Each standard size maximizes the active area (area with solar cells) as much as possible so we guarantee that each module is a high-efficiency product.



2. Optimizing eFacade PRO Module Sizes

Mitrex eFacade PRO panels can be manufactured in any size up to 39 inches (990 mm) in width and 80 inches (2,032 mm) in length. However, Mitrex has developed a set of optimized sizes that offer the best balance between aesthetics, performance, and efficiency.



✓ **Mitrex Recommendation:**

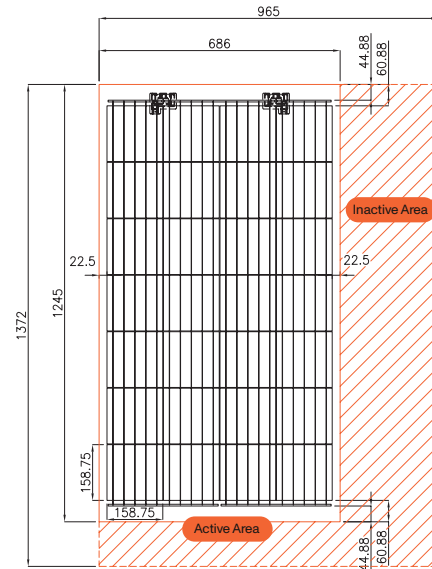
If you are designing the panel layout of the building under Mitrex eFacade PRO, we strongly recommend to do it based on Mitrex standard sizes so you guarantee that each module of your wall is producing the maximum amount of energy.

3. Active And Inactive Areas In A Real Sample

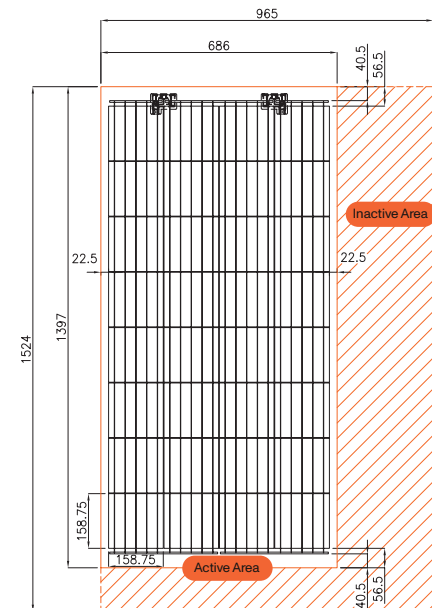
The visual appearance of both active and inactive areas in a solar module exhibits the same look, such that it can be challenging to discern any notable distinctions between the two areas.



Size: 27x49in (686x1,245mm) to 38x54in (965x1,372mm)
Cell Arrangement: 28 Cells (4 x 7)



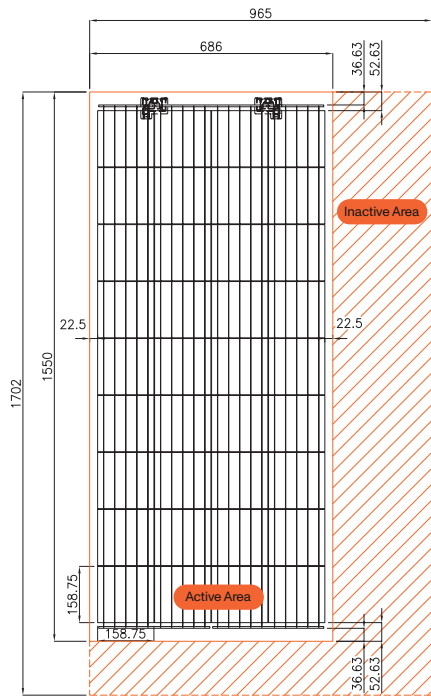
Size: 27x55in (686x1,397mm) to 38x60 (965x1,524mm)
Cell Arrangement: 32 Cells (4 x 8)



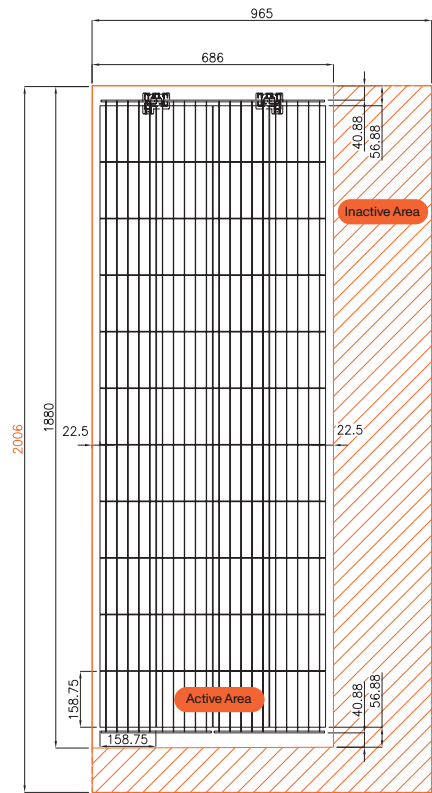
4. Optimizing eFacade PRO Module Sizes Breakdown

Mitrex eFacade PRO optimized modules are available in a range of 12 sizes that maximize the module surface to generate energy, providing a practical and adaptable solution for seamlessly integrating solar power into buildings.

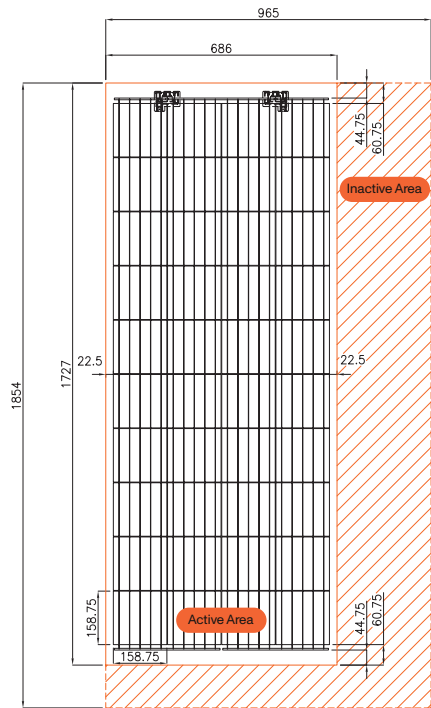
Size: 27x61in (686x1,550mm) to 38x67in (965x1,702mm)
Cell Arrangement: 36 Cells (4 x 9)



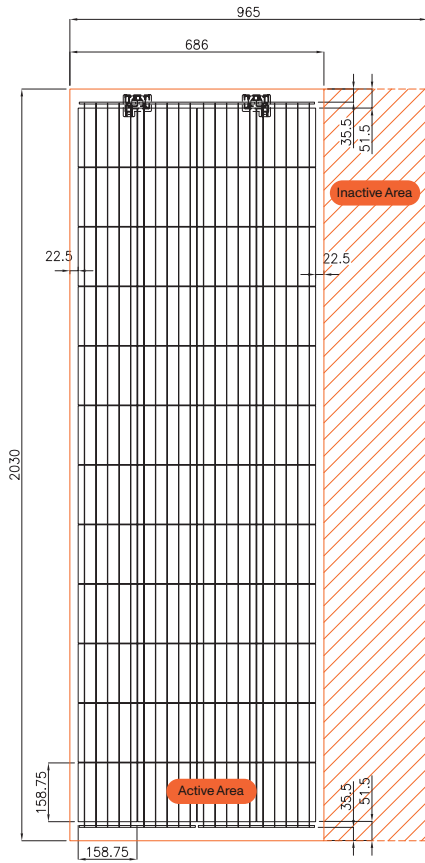
Size: 27x74in (686x1,880mm) to 38x79in (965x2,006mm)
Cell Arrangement: 44 Cells (4 x 11)



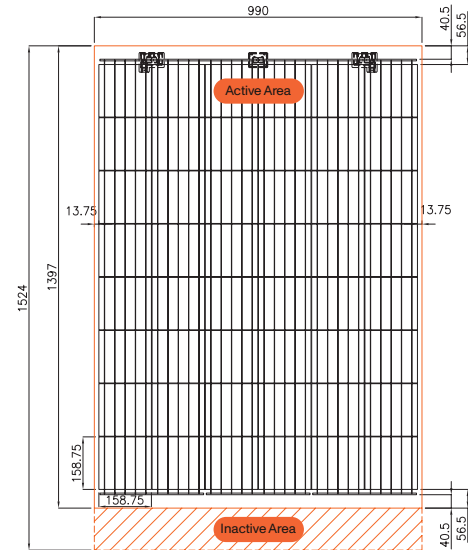
Size: 27x68in (686x1,727mm) to 38x73in (965x1,854mm)
Cell Arrangement: 40 Cells (4 x 10)



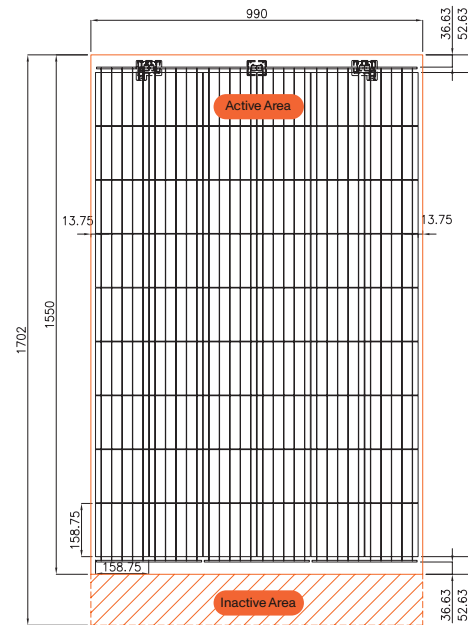
Size: 27x80in (686x2,030mm) to 38x80(965x2,030mm)
Cell Arrangement: 48 Cells (4 x 12)



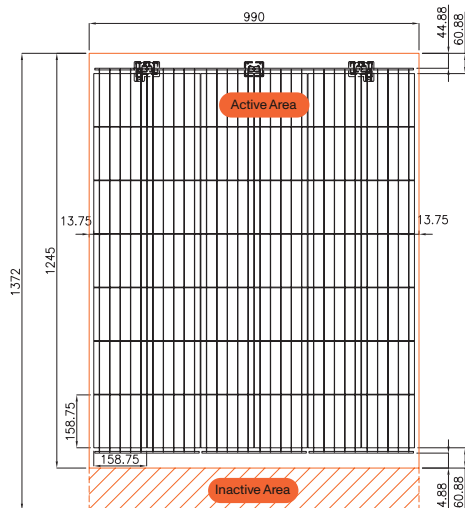
Size: 39x55in (990x1,397mm) to 39x60in (990x1,524mm)
Cell Arrangement: 48 Cells (6 x 8)



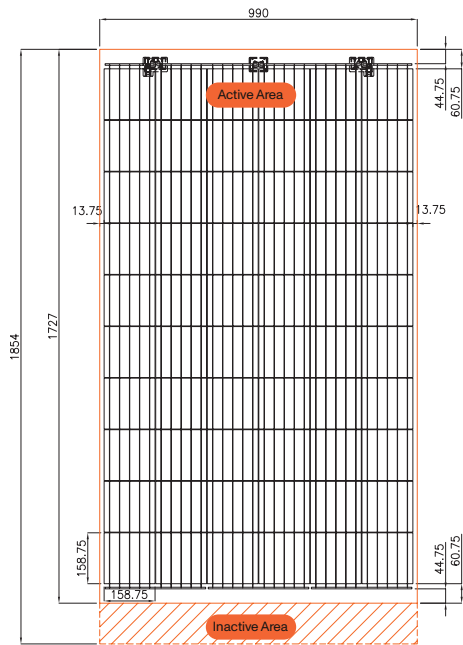
Size: 39x61in (990x1,550mm) to 39x67in (990x1,702mm)
Cell Arrangement: 54 Cells (6 x 9)



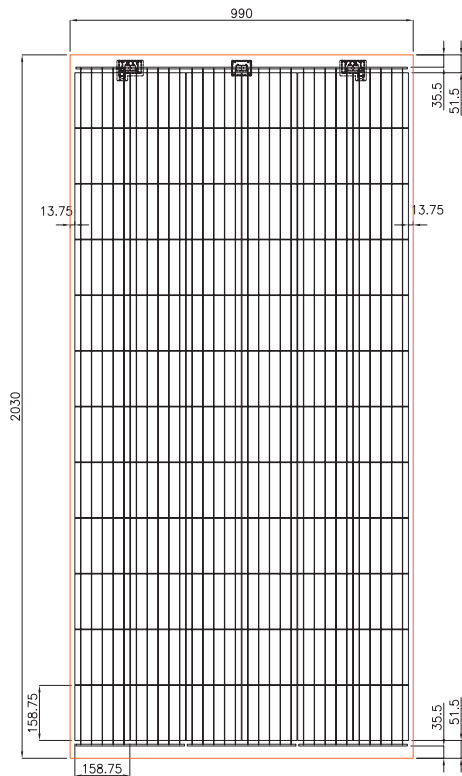
Size: 39x49in (990x1,245mm) to 39x54in (990x1,372mm)
Cell Arrangement: 42 Cells (6 x 7)



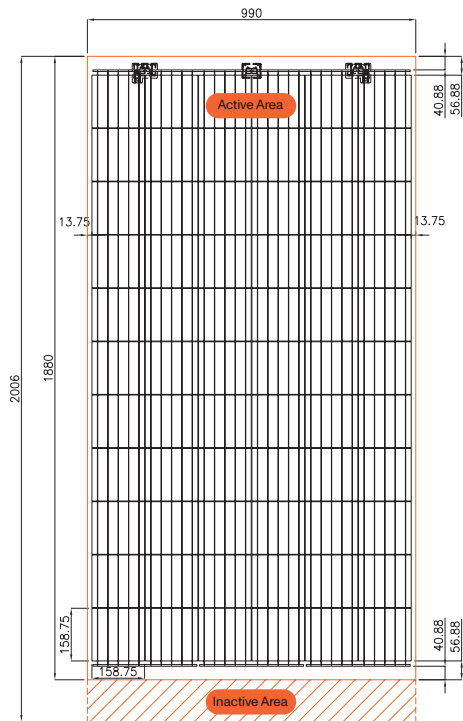
Size: 39×68in (990×1,727mm) to 39×73in (990×1,854mm)
Cell Arrangement: 60 Cells (6 × 10)



Size: 39×80in (990×2,030mm)
Cell Arrangement: 66 Cells (6 × 12)



Size: 39×74in (990×1,880mm) to 39×79in (990×2,006mm)
Cell Arrangement: 66 Cells (6 × 11)



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