MITREX™

BUILDING-INTEGRATED SOLAR TECHNOLOGY

Mitrex Solar Roof

MITREX APPLICATIONS

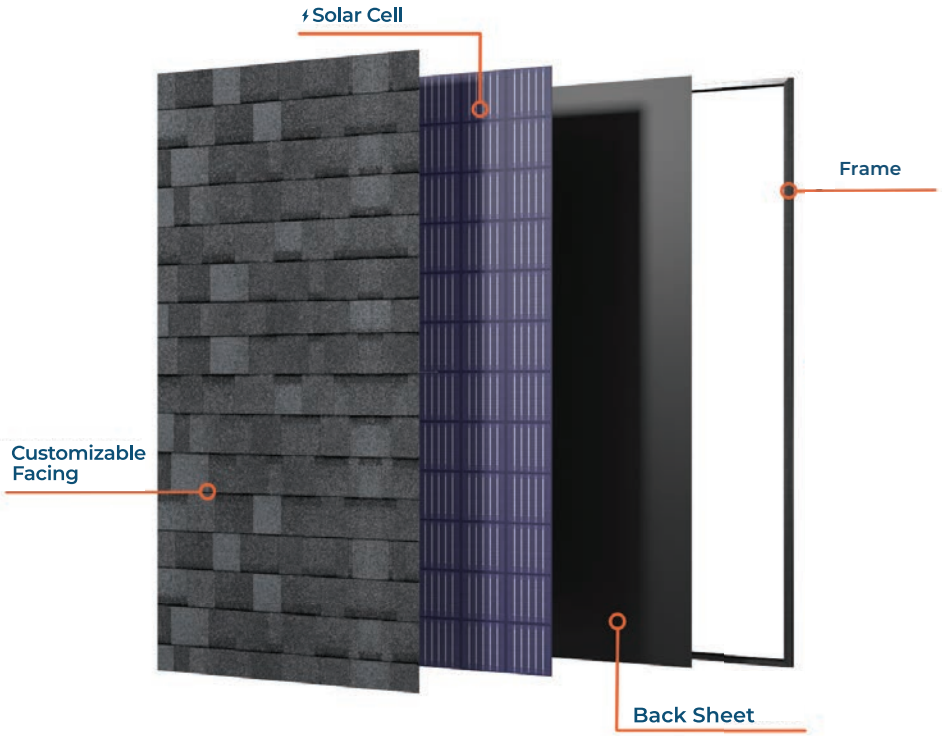
Solar technology has virtually endless applications, as every sun-touched surface has the potential to generate electricity. We understand and take advantage of that.

Mitrex products are suitable for residential and commercial buildings, agricultural facilities, government structures and even unconventional applications like sidewalks and highway noise barriers. We see endless possibilities for how we can produce greener cities that provide clean, locally-produced electricity that is better for us, our country, and our planet.

MITREX SOLAR ROOF VS TRADITIONAL SOLAR PANELS

With Mitrex Solar Roof you're no longer limited by the aesthetics of traditional solar panels.
Traditional panels have unattractive frames, and a conventional look that is never a first choice in design. Our Solar Roof comes in 4 popular roofing patterns , and can also be customized for bigger orders, allowing panels to flawlessly integrate into the existing roof design.

POWER YOUR HOME WITH BEAUTIFUL SOLAR PRODUCTS



Designed to **look like conventional roofing** while **functioning as a solar panel.**

Mitrex solar roof panels allow for integration into the colour and pattern of non-solar roofing.

Made with high efficiency **monocrystalline silicon solar cells** for decades of service.

Treated with anti-soiling coating that makes them **virtually maintenance free**.

Lightweight, durable, weatherproof, **featuring UV-stable and fade-resistant colours,** a **25-year electricity generation warranty and performance.**

Same installation methods as traditional rooftop panels, meaning that **any qualified installer can install them.**

DESIGN OPTIONS

Mitrex Solar Roof panels are available in the most popular roofing textures and colours on the market. Modules can be easily incorporated into the design of new buildings or mounted onto existing structures, increasing efficiency and turning any rooftop into a source of energy.

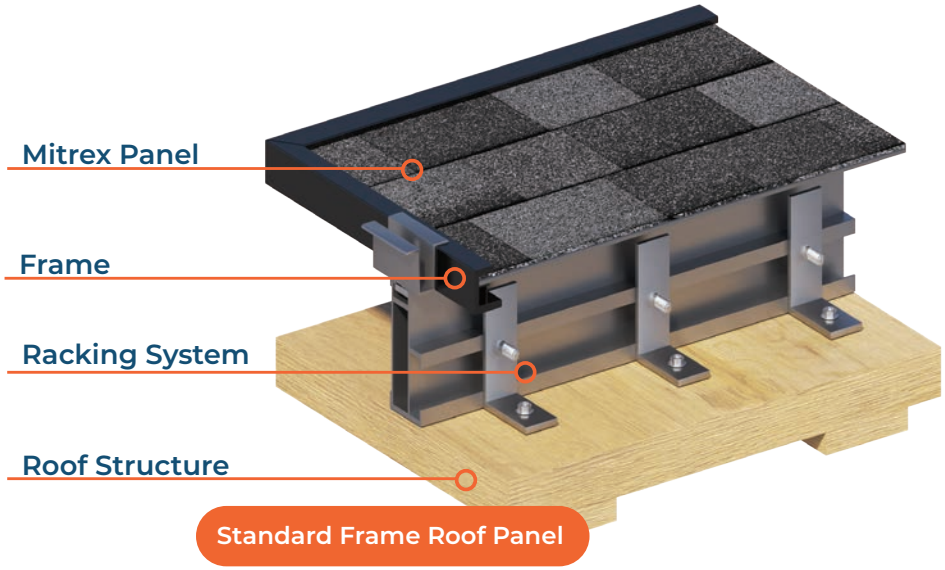
ASPHALT SLATE

STANDARD FRAME ROOF PANEL

Mitrex Solar Roof features standard frames that allow for a flawless look on your rooftop.

The installation methods are the same as traditional rooftop panels, meaning that any certified installer can install them anywhere.

ATTACHMENT SYSTEMS



Mitrex solar panels are easily installed using standard racking methods.

We develop our products in-house and rigorously test them to ensure code compliance, durability and performance. Because our systems are multi-functional, we ensure testing and results are above and beyond minimum building and PV codes. We guarantee that every single module passes our quality control tests.

TESTING VIDEOS

MITREX SOLAR ROOF CERTIFICATES

CERTIFIED IEC 61730

CERTIFIED IEC 61215

UL 61730

UL 61215

SA 61730

SA 61215

Mitrex Solar Roof

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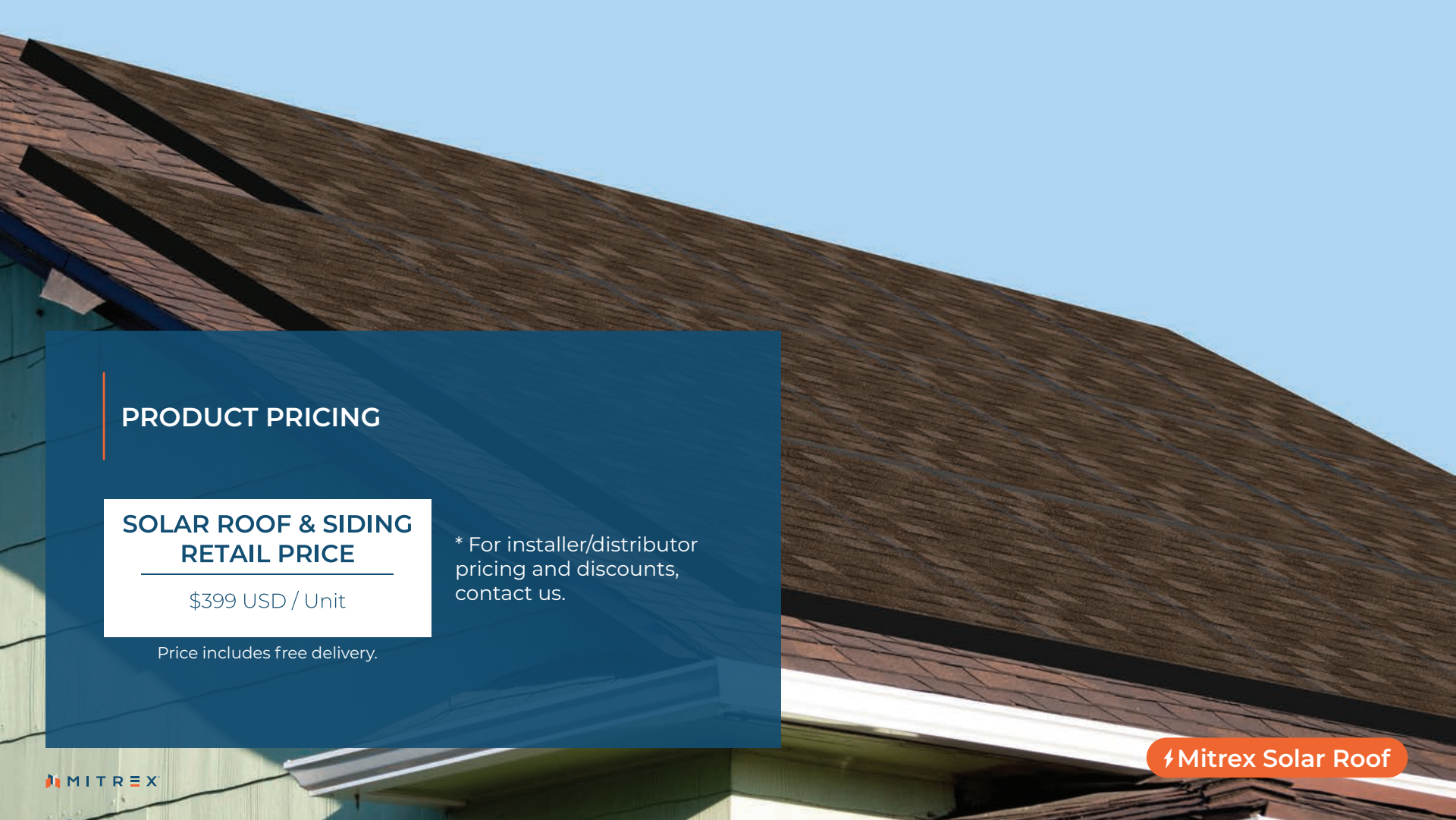
PRODUCT SPECIFICATIONS

PRODUCT SPECS:

Standard Frame Dimensions (mm):
2036 x 996 x 40

Pattern Options:

310W-350W



PRODUCT PRICING

SOLAR ROOF & SIDING RETAIL PRICE

$399 USD / Unit

Price includes free delivery.

* For installer/distributor pricing and discounts, contact us.

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Mitrex Solar Roof

MADE IN NORTH AMERICA

Mitrex products are proudly made in our Canadian, custom-built factory. Our factory reliably and consistently produces high quality solar panels. Our production facility is optimized for maximum efficiency and environmental mindfulness. Both our products and business practices help Canada reach its goal of net-zero carbon emissions by 2050.

MITREX SOLAR SIDING

Mitrex Solar Siding comes in 4 popular design options and can be easily incorporated onto new or existing structures. Panels are easy to install, and treated to ensure high performance and low maintenance energy generation.

Pattern Options:

MITREX PRODUCTS

WHAT WE CAN ADD TO THE MARKET

TECHNICAL SPECIFICATIONS

List of mechanical and electrical technical specifications. Electrical test data as per standard test conditions (IEC 60904-3).

	SOLAR ROOF
Length (mm)	2036 (80.15")
Width (mm)	996 (39.2")
Thickness (mm)	W/Frame -40 (1.6")
Weight (kg)	22 kg
Max System Voltage (V_{SYS})	1000
Voltage At Short-Circuit (V_{OC})*	48.2 V
Current At Short-Circuit (I_{SC})*	8.10 A - 8.72 A
Max Power (P_{MAX})*	310 W - 345 W
Voltage At Max Power (V_{MAX})*	41.8 V - 42.9 V
Current At Max Power (I_{MAX})*	7.22 A - 8.26 A
Max Overcurrent Protection Rating	20 A
Operating Temperature (˚C)	-40 To 85
Junction Box Protection Class	≥ IP67
Connector Protection Class	IP68
Fire Protection Class	C / Type 1

Under normal conditions, a photovoltaic module is likely to experience conditions that produce higher current and/or voltage than reported at standard test conditions. Accordingly, the values of Isc and Voc marked on this PV module should be multiplied by a factor of 1.25 when determining component voltage ratings, conductor current ratings, and size of controls (e.g. inverter) connected to the PV output.

Temperature correction coefficients for Voc, Isc, Pmax

TEMPERATURE COEFFICIENT	ALL ABOVE MODULES
αVoc	-0.30 %/ °C
αIsc	0.046 %/ °C
αPmax	-0.36 %/ °C

* Range depending on the pattern of the panel.

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