

LSK
Green Group





LSK Green Group a.s.

With over 20 years of experience in energy consumption management, our team of experts is dedicated to delivering personalized energy solutions that meet the unique needs of our clients.

As a pioneering broker in community power sources, we are committed to sourcing renewable energy from our own and other sources.

At our core, we believe that by working together, we can build a more sustainable future.



LSK
GREEN ACQUISITION s. r. o.



LSK
GREEN DEVELOP s. r. o.



LSK
GREEN COMPONENT s. r. o.



LSK
GREEN ENERGY s. r. o.



LSK
PV s. r. o.

APPLICATION



HIGH / MID RISE BUILDINGS



INSTITUTIONAL BUILDINGS



INDUSTRIAL BUILDINGS



SOLAR ROOF SYSTEMS

SOLAR ROOF

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.

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



SOLAR ROOF

 MITREX
BUILDING-INTEGRATED SOLAR TECHNOLOGY

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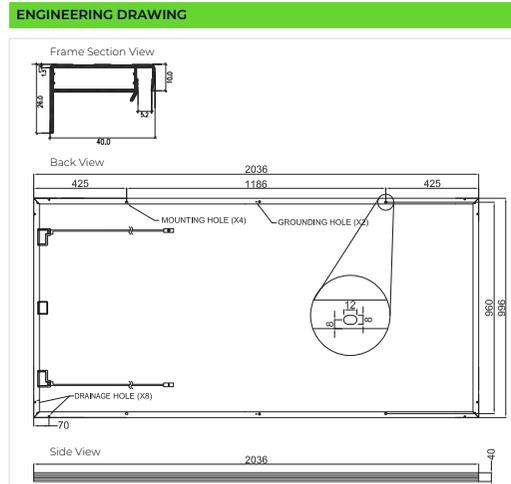
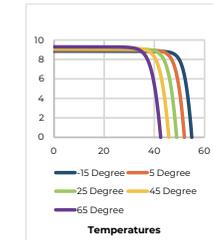
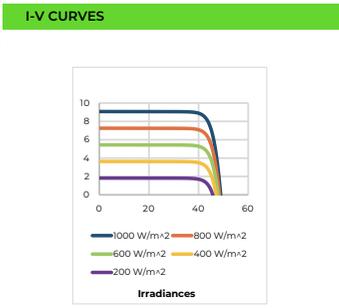
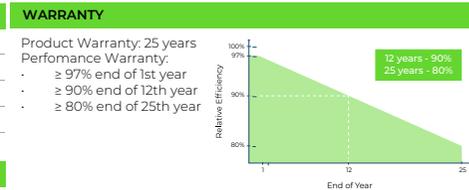
⚡ 310W – Spanish Clay Tile



ELECTRICAL SPECIFICATIONS	SOLAR ROOF SPANISH CLAY
Test Conditions	STC
Module Power (Pmax)	310W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	7.64A
Open Circuit Voltage (Voc)	48.5V
Short Circuit Current (Isc)	8.03A
Module Efficiency	15.3%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Mechanical Test Load (Snow/Wind)	5400Pa front load / 5400Pa rear load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Pattern Orientation	Landscape & Portrait
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

TEMPERATURE RATINGS	WARRANTY
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C



CERTIFICATIONS

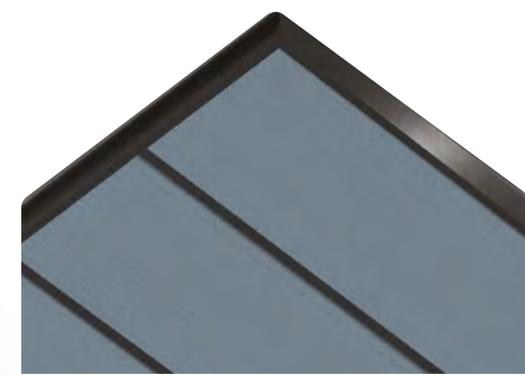
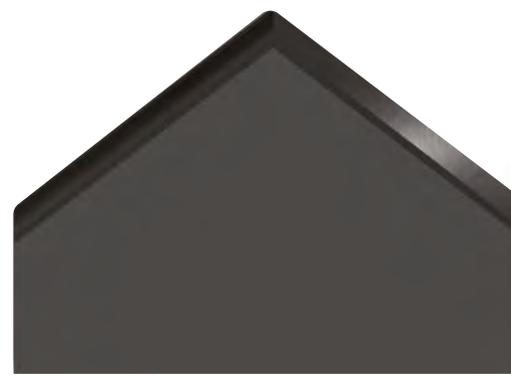
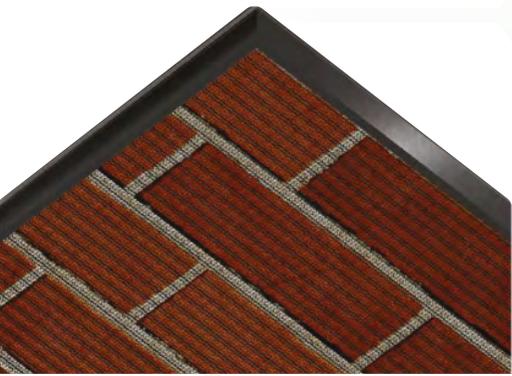
UL 61730-1/-2, CSA C22.2 #61730-1/-2, IEC 61730-1/-2, UL 61215-1/-2, IEC 61215-1/-2, CSA 61215-1/-2, CEC Listed

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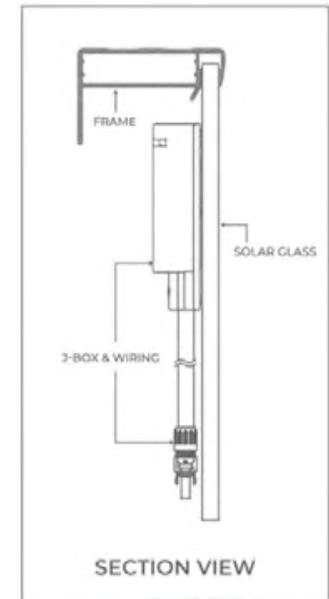
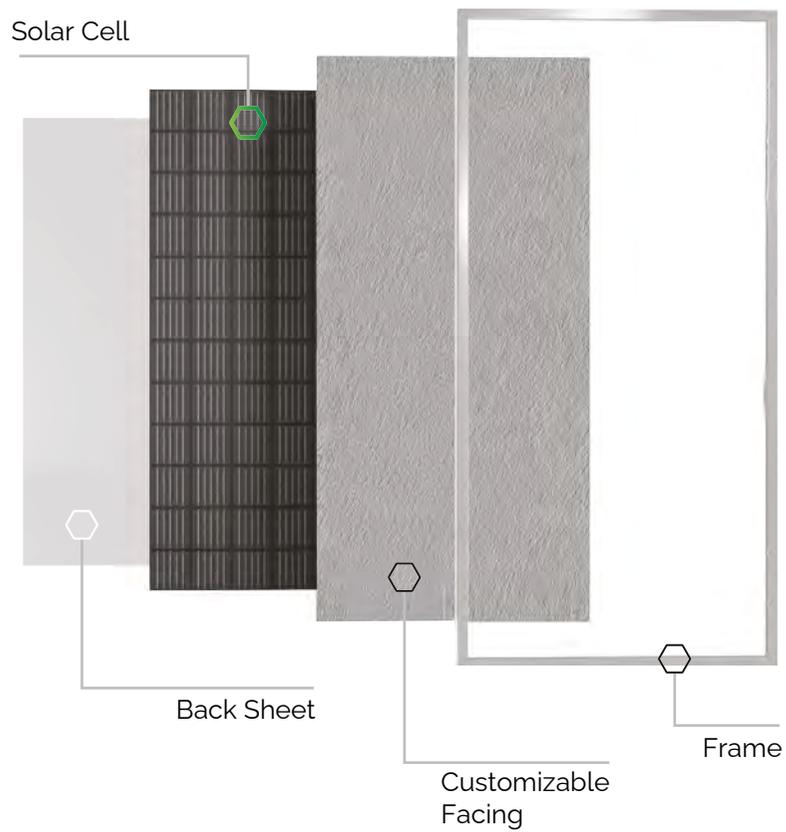


SOLAR SIDING

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.



SOLAR PV MODUL



SOLAR SIDING

 MITREX™
BUILDING-INTEGRATED SOLAR TECHNOLOGY





⚡ 265W — Rubrica Brick

⚡ 265W — Dark Beige

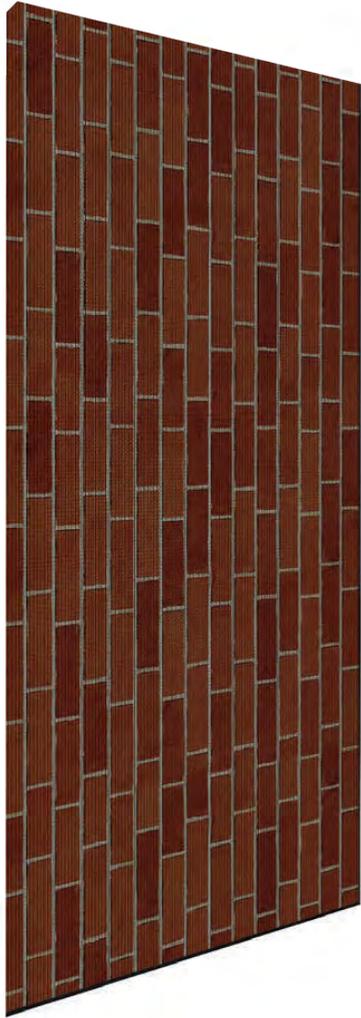
⚡ 305W — Brown Wood

⚡ 345W — Dark grey

⚡ 350W — Dove Grey



⚡ 265W — Rubrica Brick



ELECTRICAL SPECIFICATIONS	SOLAR SIDING RUBRICA BRICK
Test Conditions	STC
Module Power (Pmax)	265W
Maximum Power Voltage (Vpmax)	40.7V
Maximum Power Current (Ipmax)	6.51A
Open Circuit Voltage (Voc)	48.3V
Short Circuit Current (Isc)	6.93A
Module Efficiency	13.1%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C

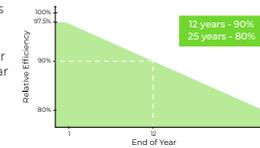
MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

TEMPERATURE RATINGS	
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C

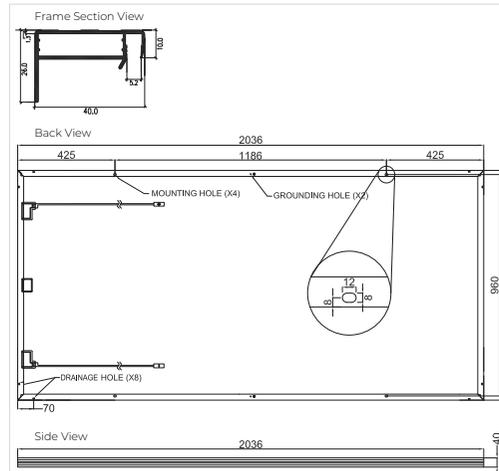
WARRANTY

Product Warranty: 25 years
Performance Warranty:

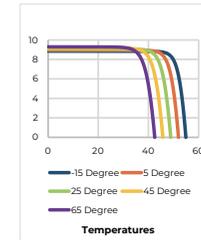
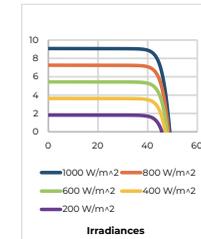
- ≥ 97% end of 1st year
- ≥ 90% end of 12th year
- ≥ 80% end of 25th year



ENGINEERING DRAWING



I-V CURVES



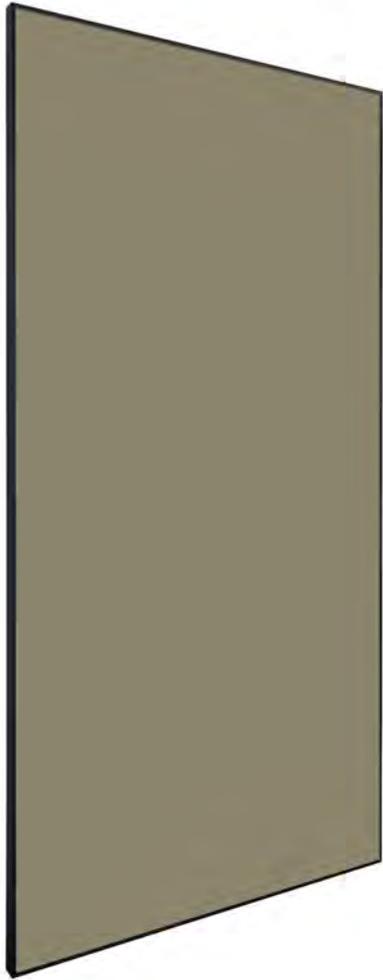
CERTIFICATIONS

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⚡ 265W – Dark Beige



ELECTRICAL SPECIFICATIONS	SOLAR SIDING DARK BEIGE
Test Conditions	STC
Module Power (Pmax)	265W
Maximum Power Voltage (Vpmax)	40.5V
Maximum Power Current (Ipmax)	6.55A
Open Circuit Voltage (Voc)	48.4V
Short Circuit Current (Isc)	6.84A
Module Efficiency	13.1%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

Measurement Conditions: STC 1000 W/m² - AM1.5 - Temperature 25°C

MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

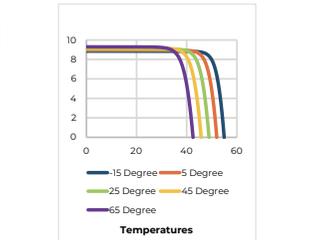
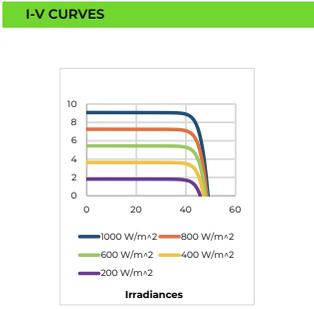
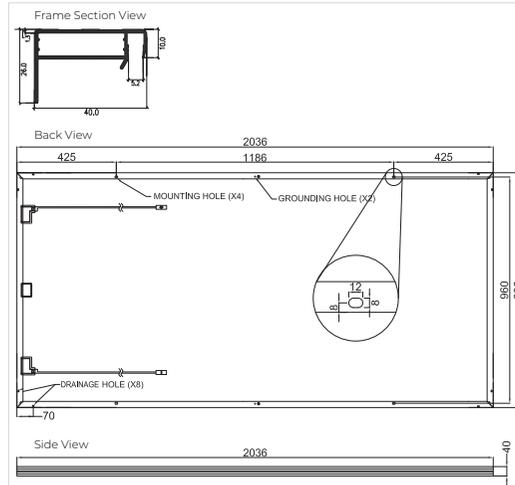
TEMPERATURE RATINGS	WARRANTY
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C

WARRANTY

Product Warranty: 25 years Performance Warranty.

- ≥ 97% end of 1st year
- ≥ 90% end of 12th year
- ≥ 80% end of 25th year

ENGINEERING DRAWING



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⚡ 305W — Brown Wood



ELECTRICAL SPECIFICATIONS

Test Conditions	STC
Module Power (Pmax)	305W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	7.51A
Open Circuit Voltage (Voc)	48.5V
Short Circuit Current (Isc)	7.90A
Module Efficiency	15.0%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C

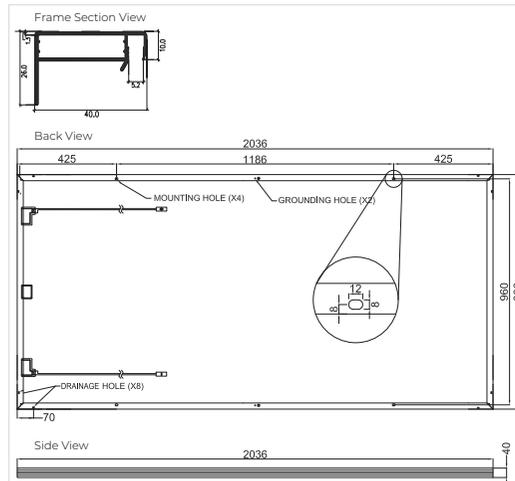
MECHANICAL PROPERTIES

METRIC	
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

TEMPERATURE RATINGS

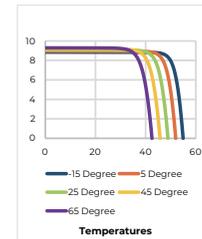
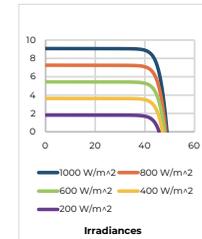
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C

ENGINEERING DRAWING



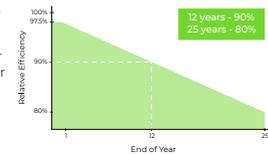
SOLAR SIDING BROWN WOOD TILE SHINGLES

I-V CURVES



WARRANTY

Product Warranty: 25 years
Performance Warranty:
≥ 97% end of 1st year
≥ 90% end of 12th year
≥ 80% end of 25th year



CERTIFICATIONS

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⚡ 345W — Dark Grey

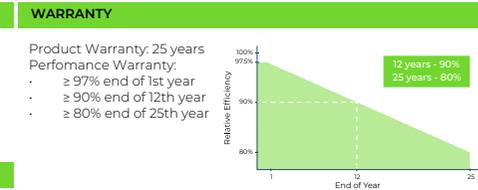


ELECTRICAL SPECIFICATIONS	SOLAR SIDING DARK GREY
Test Conditions	STC
Module Power (Pmax)	345W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	8.50A
Open Circuit Voltage (Voc)	48.9V
Short Circuit Current (Isc)	8.94A
Module Efficiency	17.0%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

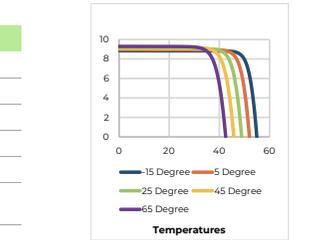
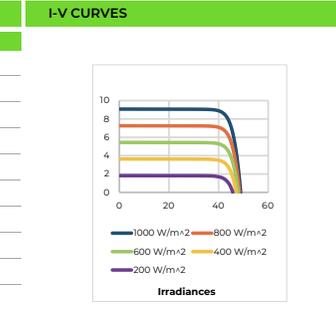
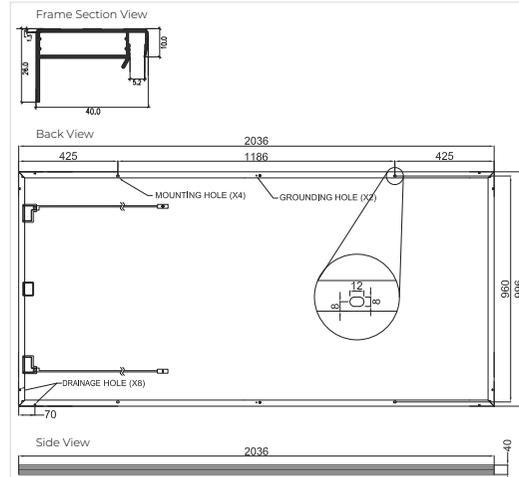
Measurement Conditions: STC 1000 W/m² - AM1.5 - Temperature 25°C

MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Class	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

TEMPERATURE RATINGS	WARRANTY
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C



ENGINEERING DRAWING



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⚡ 350W – Dove Grey

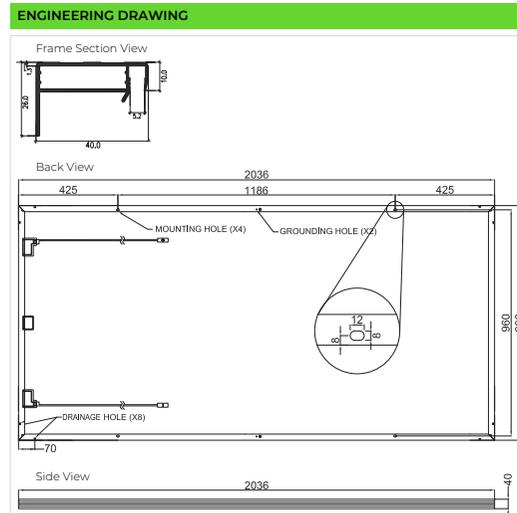
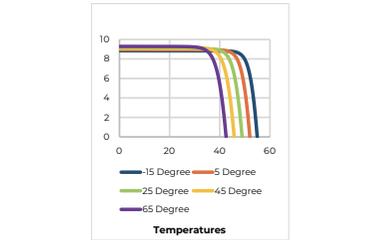
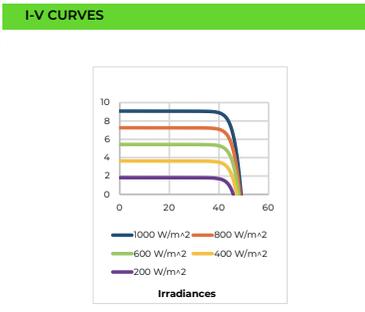
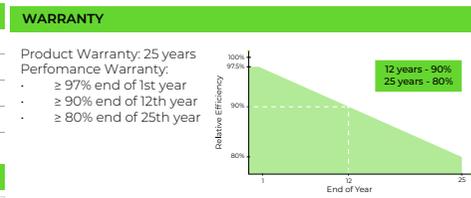


ELECTRICAL SPECIFICATIONS	SOLAR SIDING DOVE GREY
Test Conditions	STC
Module Power (Pmax)	350W
Maximum Power Voltage (Vpmax)	41.0V
Maximum Power Current (Ipmax)	8.54A
Open Circuit Voltage (Voc)	48.9V
Short Circuit Current (Isc)	9.07A
Module Efficiency	17.3%
Maximum System Voltage (VDC)	1000V (IEC/UL)
Series Fuse Rating	20A
Power & Other Electrical Specification Tolerance	5%
Application Classification	Class A

Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C

MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	Ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli
Backsheet	High durability, UV resistant, PV backsheet
Frame	Anodized aluminum alloy black frame
Bypass Diodes	3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)
Junction Box	IP68 rated, TUV and UL certified
Fire Rating	Type II

TEMPERATURE RATINGS	WARRANTY
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C



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ENDLESS MATERIAL OPTIONS



We offer an endless variety of active and non-active materials, colors, textures, and finishes of cladding facing, suitable for any application.

ROOF

FASADE





SHOWROOM

Mayhouse, 5. května 1746/22,
140 00 Praha 4-Nusle, Czech Republic

Let's stay in touch



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