



LSK Green Group



LSK Green Group



HIGH / MID RISE  
BUILDINGS



INSTITUTIONAL  
BUILDINGS



INDUSTRIAL  
BUILDINGS



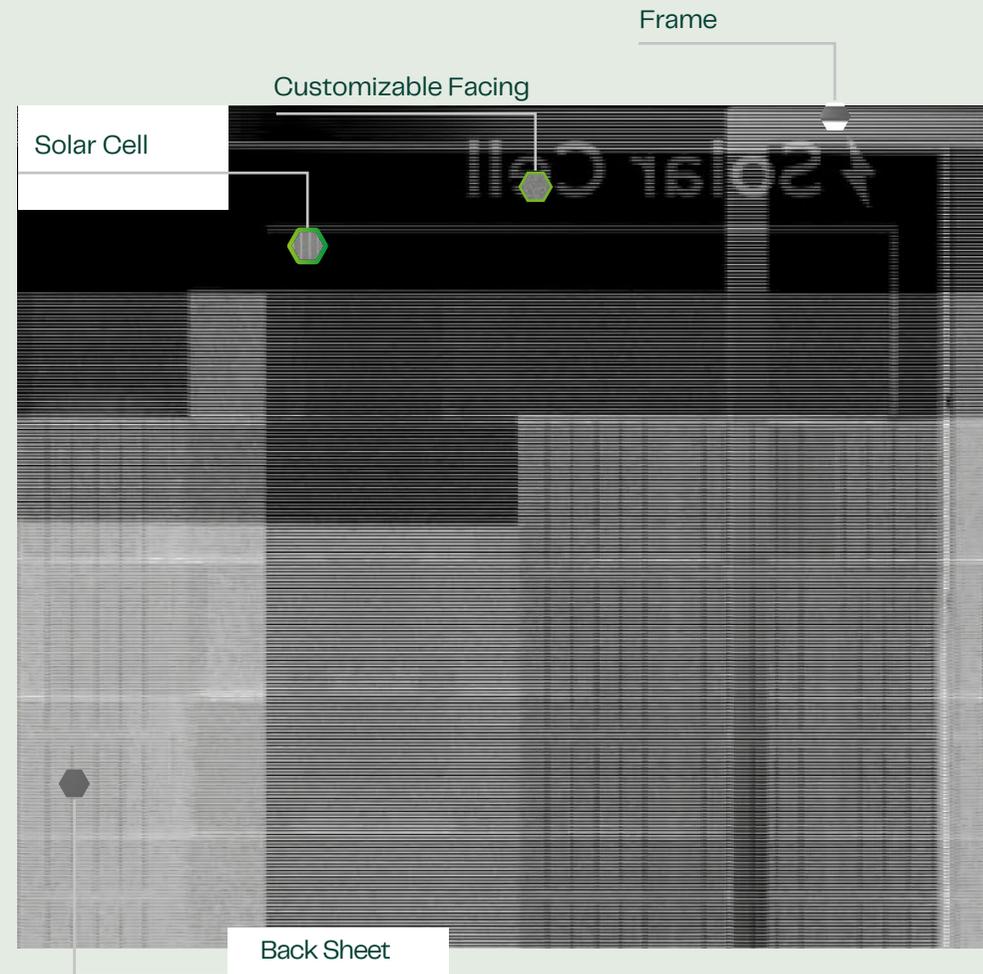
SOLAR ROOF  
SYSTEMS



## 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



# ⚡ 310W – Spanish Clay Tile



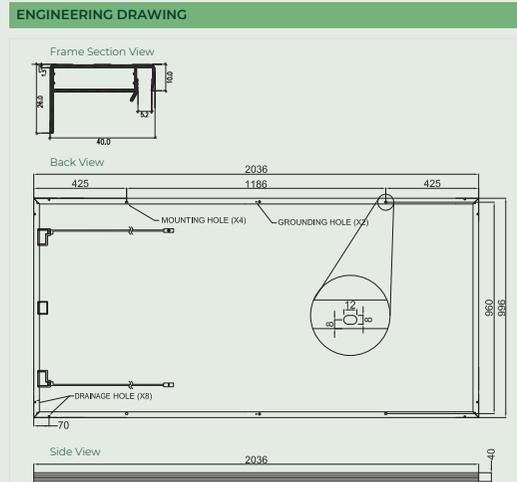
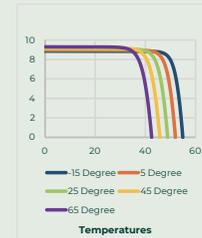
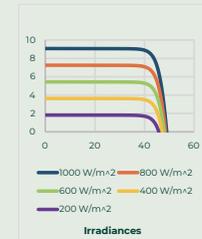
ELECTRICAL SPECIFICATIONS	SOLAR ROOF SPANISH CLAY
<b>Test Conditions</b>	<b>STC</b>
Module Power (Pmax)	310W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	7.64A
Open Circuit Voltage (Voc)	48.5V
Short Circuit Current (Isc)	8.03A
Module Efficiency	15.3%
Maximum System Voltage (VDC)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

Measurement Conditions: STC 1000 W/m<sup>2</sup> - AM 1.5 - Temperature 25°C

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 <sup>2</sup> , 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	
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:
<ul style="list-style-type: none"> <li>≥ 97% end of 1st year</li> <li>≥ 90% end of 12th year</li> <li>≥ 80% end of 25th year</li> </ul>



**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

- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.  
- Caution: For professional use only, the installation, handling, and cleaning of PV modules should only be performed by qualified professionals. Read the Installation Manual for mounting specifications before handling, installing and operating modules.





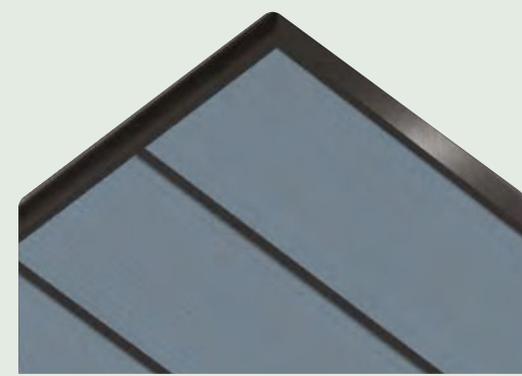
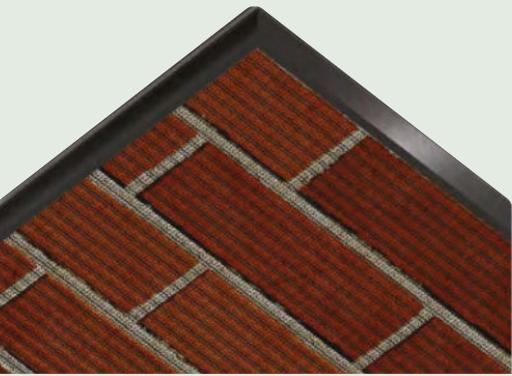
LSK Green Group

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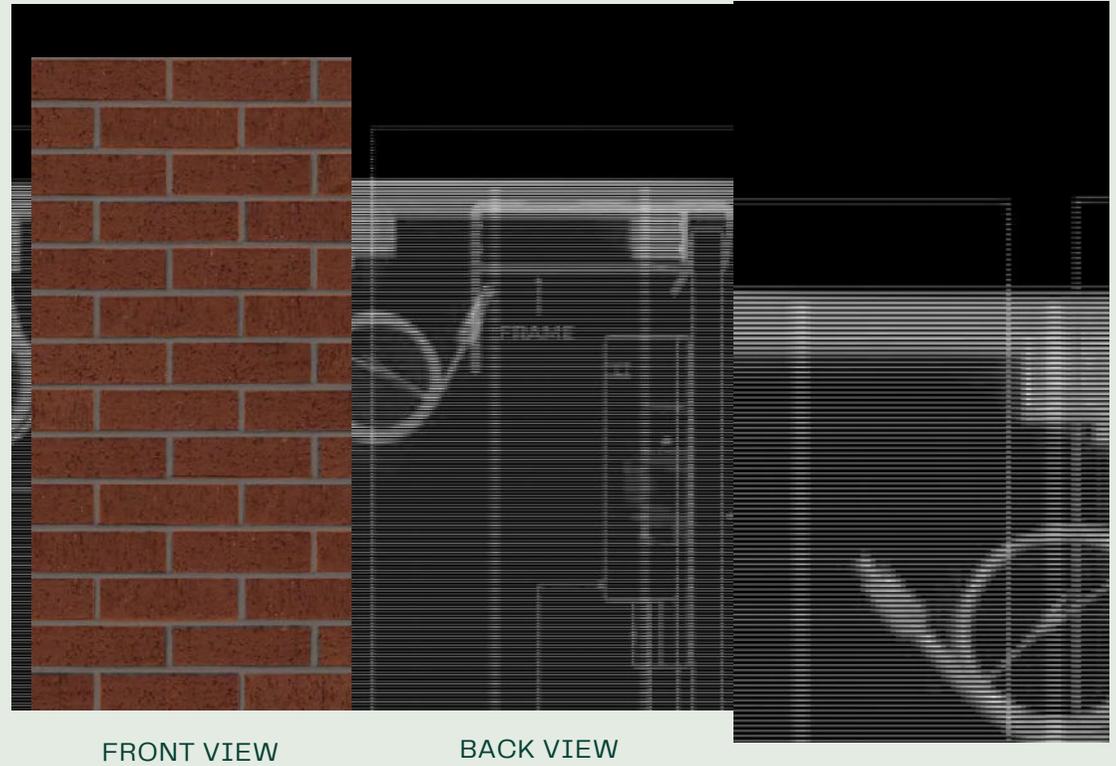
## **SOLAR SIDING**

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



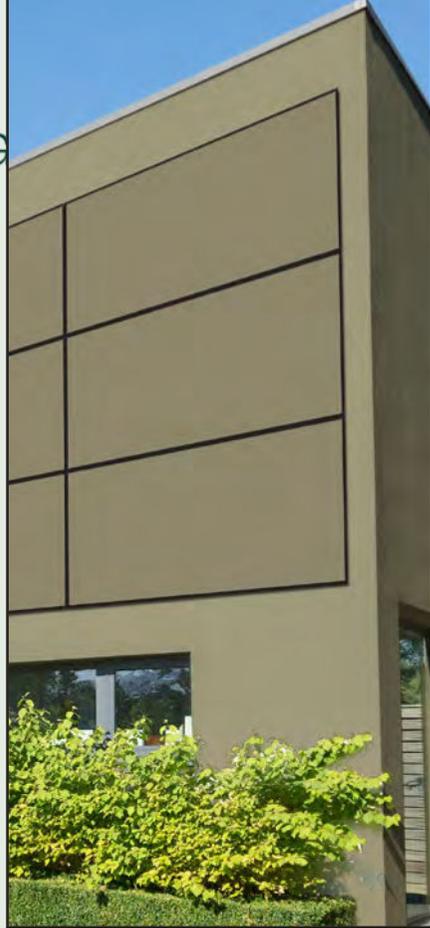
SOLAR SIDING

 MITREX™  
BUILDING-INTEGRATED SOLAR TECHNOLOGY





⚡ 265W – Rubrica Brick



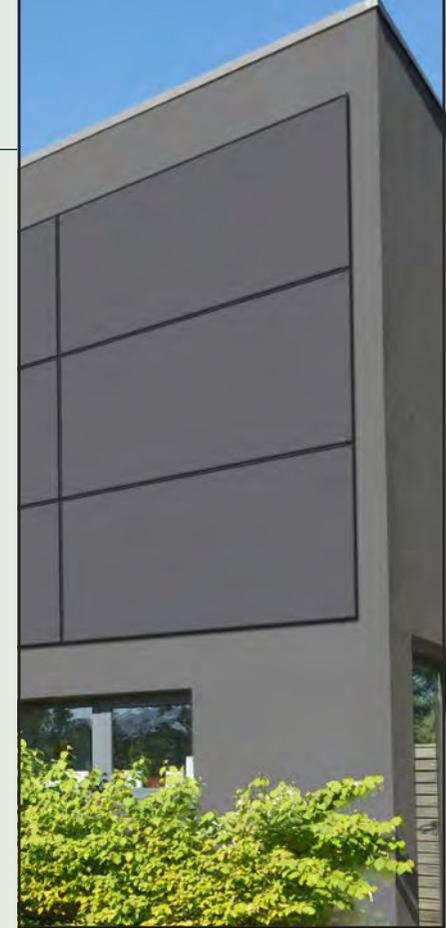
⚡ 265W – Dark Beige



⚡ 305W – Brown Wood



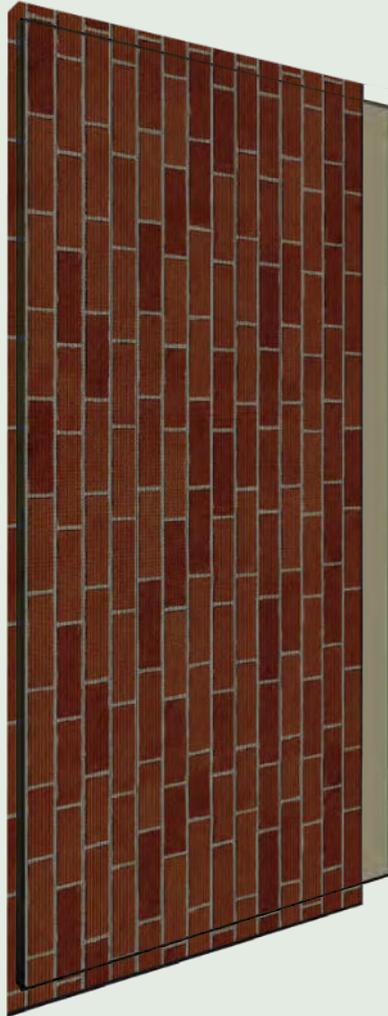
⚡ 345W – Dark grey



⚡ 350W – Dove Grey



# ⚡ 265W – Rubrica Brick



ELECTRICAL SPECIFICATIONS	SOLAR SIDING RUBRICA BRICK	I-V CURVES
<b>Test Conditions</b>	<b>STC</b>	
Module Power (Pmax)	265W	<p><b>Irradiances</b></p>
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		
<b>MECHANICAL PROPERTIES</b>	<b>METRIC</b>	
Module Weight	22 kg	<p><b>Temperatures</b></p>
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 - 4mm², 12 AWG (UL) MC4 from Staubli	
Backsheet	High durability, UV resistant, PV backsheet	
Frame	Anodized aluminum alloy black frame	
Bypass Diodes	3 diodes- 30SQ04ST (45V max DC blocking voltage, 30A max forward rectified current)	
Junction Box	IP68 rated, TUV and UL certified	
Fire Rating	Type II	
<b>TEMPERATURE RATINGS</b>	<b>WARRANTY</b>	
Temperature Coefficient Isc	0.036% /°C	<p>Product Warranty: 25 years Performance Warranty:</p> <ul style="list-style-type: none"> <li>≥ 97% end of 1st year</li> <li>≥ 90% end of 12th year</li> <li>≥ 80% end of 25th year</li> </ul>
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	
<b>ENGINEERING DRAWING</b>		
<p>Frame Section View</p> <p>Back View</p> <p>Side View</p>		
<b>CERTIFICATIONS</b>		
UL 61730-1/-2, CSA C22.2 #61730-1/-2, IEC 61730-1/-2		
<p>- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.</p> <p>- Caution: For professional use only, the installation, handling, and cleaning of PV modules should only be performed by qualified professionals. Read the Installation Manual for mounting specifications before handling, installing and operating modules.</p>		



# ⚡ 265W – Dark Beige



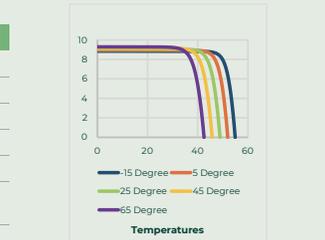
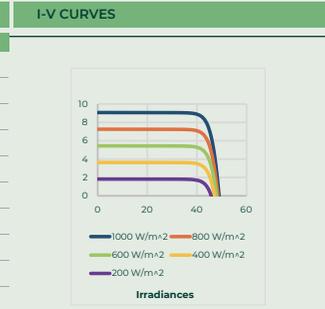
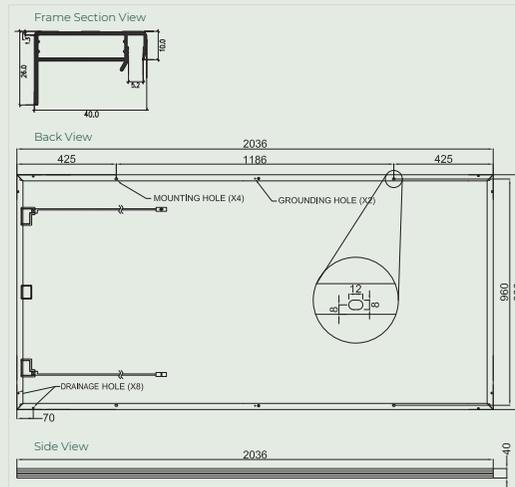
ELECTRICAL SPECIFICATIONS	SOLAR SIDING DARK BEIGE
<b>Test Conditions</b>	<b>STC</b>
Module Power (Pmax)	265W
Maximum Power Voltage (Vpmax)	40.5V
Maximum Power Current (Ipmax)	6.55A
Open Circuit Voltage (Voc)	48.4V
Short Circuit Current (Isc)	6.84A
Module Efficiency	13.1%
Maximum System Voltage (VDC)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

Measurement Conditions: STC 1000 W/m<sup>2</sup> - AM1.5 - Temperature 25°C

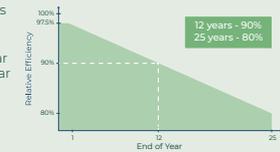
MECHANICAL PROPERTIES	METRIC
Module Weight	22 kg
Dimensions (H x L x D)	2036 x 996 x 40mm
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load
Hail Impact Resistance	ø 25mm at 83 km/h
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm <sup>2</sup> , 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



WARRANTY
Product Warranty: 25 years Performance Warranty.
<ul style="list-style-type: none"> <li>≥ 97% end of 1st year</li> <li>≥ 90% end of 12th year</li> <li>≥ 80% end of 25th year</li> </ul>



**CERTIFICATIONS**  
 UL 61730-1/-2, CSA C22.2 #61730-1/-2, IEC 61730-1/-2

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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/m<sup>2</sup> - AM 1.5 - Temperature 25°C

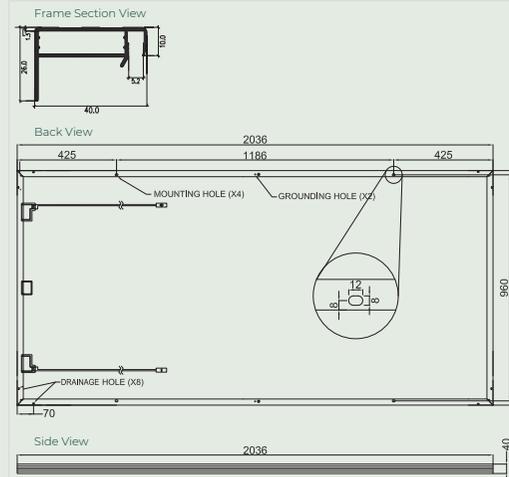
## MECHANICAL PROPERTIES

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 <sup>2</sup> , 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

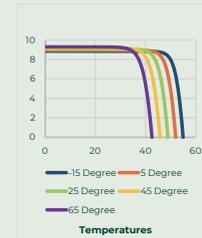
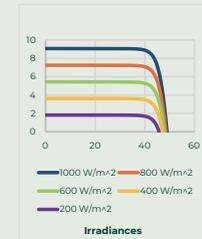
Temperature Coefficient Isc	0.036% /°C
Temperature Coefficient Voc	-0.27% /°C
Temperature Coefficient Pmax	-0.36% /°C
Nominal Module Operating Temperature	42 ± 3°C
Operating Temperature	-40°C ~ +85°C

## ENGINEERING DRAWING



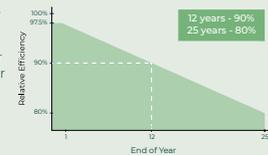
## SOLAR SIDING BROWN WOOD TILE SHINGLES

## 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

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

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# ⚡ 345W – Dark Grey

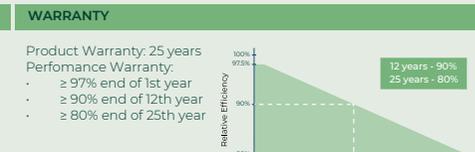


ELECTRICAL SPECIFICATIONS	SOLAR SIDING DARK GREY
<b>Test Conditions</b>	<b>STC</b>
Module Power (Pmax)	345W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	8.50A
Open Circuit Voltage (Voc)	48.9V
Short Circuit Current (Isc)	8.94A
Module Efficiency	17.0%
Maximum System Voltage (VDC)	1000V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

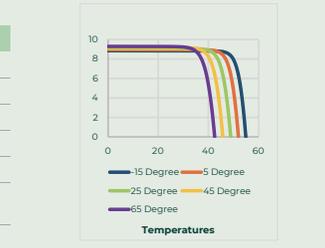
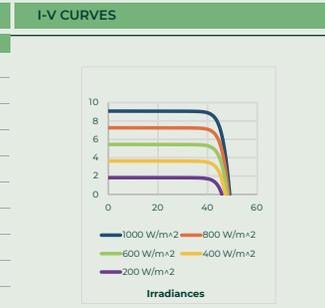
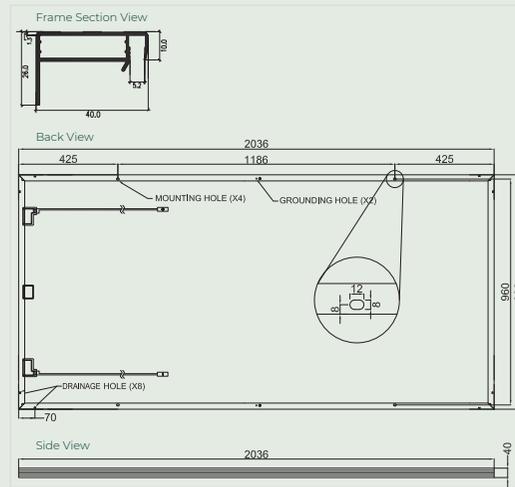
Measurement Conditions: STC 1000 W/m<sup>2</sup> - AM1.5 - Temperature 25°C

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 <sup>2</sup> , 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	0.0366% /°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



### CERTIFICATIONS

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

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# ⚡ 350W – Dove Grey



ELECTRICAL SPECIFICATIONS	SOLAR SIDING DOVE GREY	I-V CURVES
<b>Test Conditions</b>	<b>STC</b>	
Module Power (Pmax)	350W	<p><b>Irradiances</b></p>
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/m <sup>2</sup> - AM 1.5 - Temperature 25°C		
<b>MECHANICAL PROPERTIES</b>	<b>METRIC</b>	<p><b>Temperatures</b></p>
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 <sup>2</sup> , 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	
<b>TEMPERATURE RATINGS</b>		<b>WARRANTY</b>
Temperature Coefficient Isc	0.036% /°C	<p>Product Warranty: 25 years Performance Warranty:</p> <ul style="list-style-type: none"> <li>• ≥ 97% end of 1st year</li> <li>• ≥ 90% end of 12th year</li> <li>• ≥ 80% end of 25th year</li> </ul>
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	
<b>ENGINEERING DRAWING</b>		<b>CERTIFICATIONS</b>
<p>Frame Section View</p> <p>Back View</p> <p>Side View</p>		<p>UL 61730-1/-2, CSA C22.2 #61730-1/-2, IEC 61730-1/-2</p> <p>- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet. - Caution: For professional use only, the installation, handling, and cleaning of PV modules should only be performed by qualified professionals. Read the Installation Manual for mounting specifications before handling, installing and operating modules.</p>







## **SHOWROOM**

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[www.lskgreengroup.com](http://www.lskgreengroup.com)