



LSK Green Group



## LSK Green Group

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.



INSTITUTIONAL  
BUILDINGS



HIGH / MID RISE  
BUILDINGS



INDUSTRIAL  
BUILDINGS



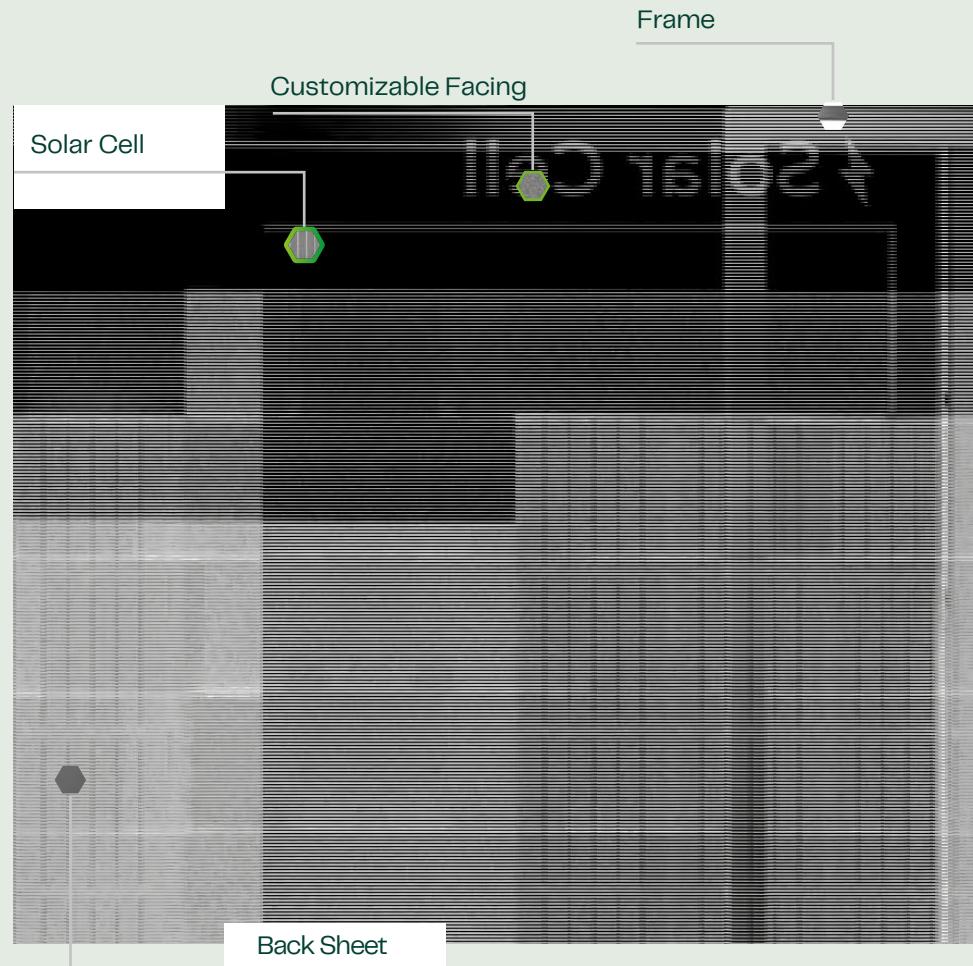
SOLAR ROOF  
SYSTEMS



## 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-TEGRATED SOLAR TECHNOLOGY



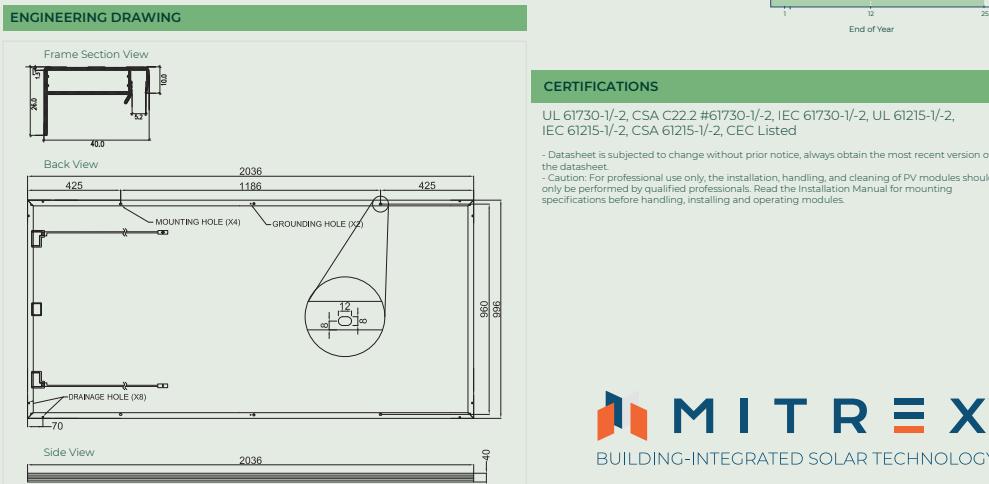
# ⚡ 310W – Spanish Clay Tile



ELECTRICAL SPECIFICATIONS		SOLAR ROOF SPANISH CLAY	I-V CURVES
Test Conditions		STC	
Module Power (Pmax)	310W		
Maximum Power Voltage (Vpm)	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/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	
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 - 4mm², 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	

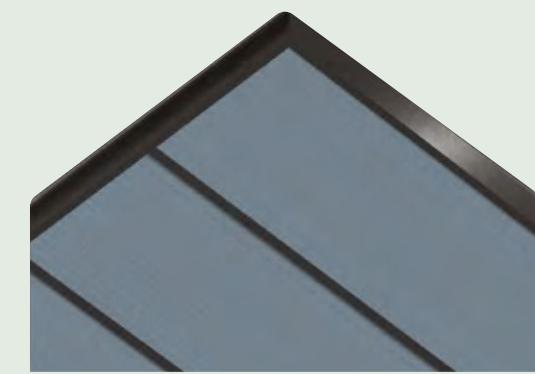
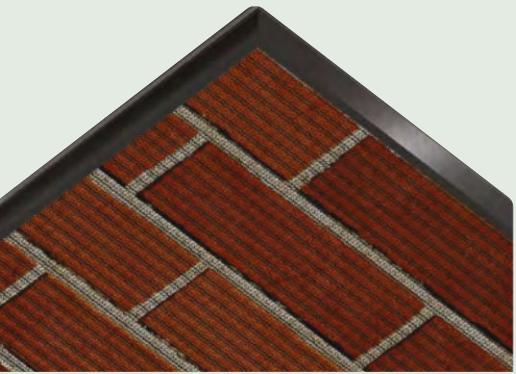
TEMPERATURE RATINGS		WARRANTY
Temperature Coefficient Isc	0.036% /°C	Product Warranty: 25 years
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:
Temperature Coefficient Pmax	-0.36% /°C	<ul style="list-style-type: none"> <li>≥ 97% end of 1st year</li> <li>≥ 90% end of 12th year</li> <li>≥ 80% end of 25th year</li> </ul>
Nominal Module Operating Temperature	42 ± 3°C	
Operating Temperature	-40°C ~ +85°C	





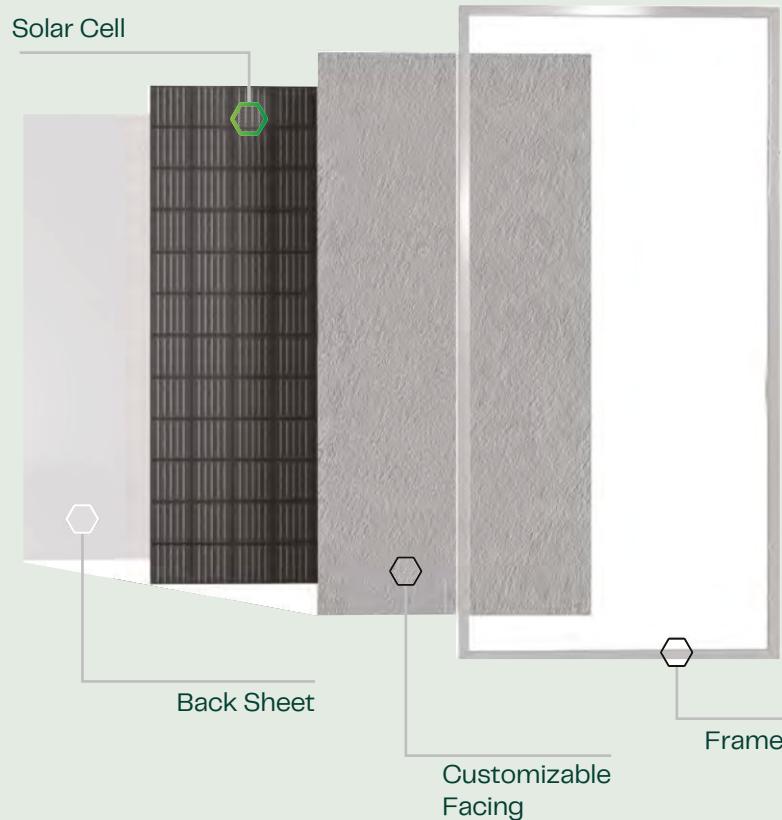
## SOLAR SIDING

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-TEGRATED SOLAR TECHNOLOGY





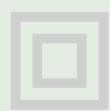
⚡265W – Rubrica Brick

⚡265W – Dark Beige

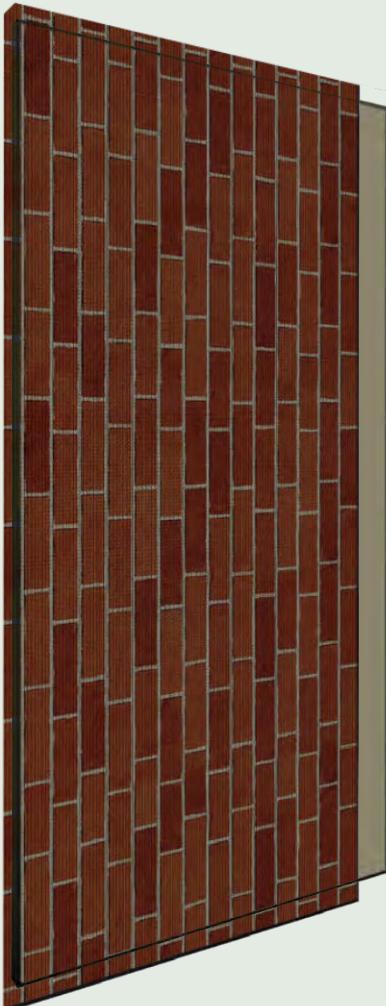
⚡305W – Brown Wood

⚡345W – Dark grey

⚡350W – Dove Grey

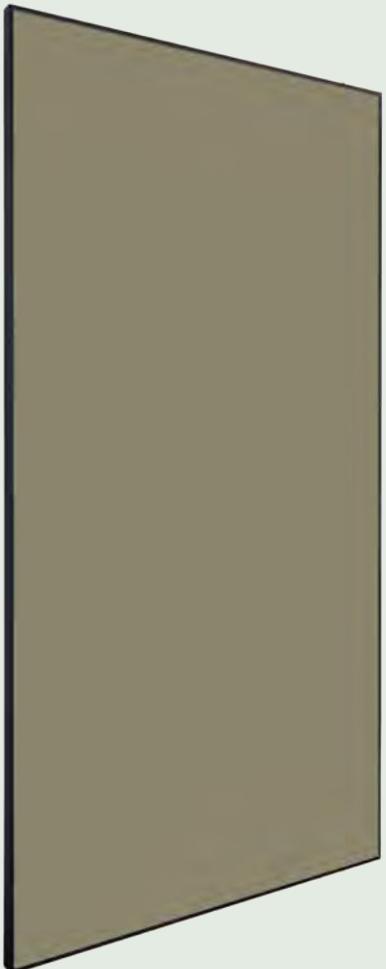


# ⚡ 265W – Rubrica Brick



ELECTRICAL SPECIFICATIONS		SOLAR SIDING RUBRICA BRICK	I-V CURVES		
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/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		WARRANTY			
Temperature Coefficient Isc	0.036% /°C	Product Warranty: 25 years			
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:			
Temperature Coefficient Pmax	-0.36% /°C	<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>			
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					
<ul style="list-style-type: none"> <li>Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.</li> <li>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.</li> </ul>					

# ⚡ 265W – Dark Beige



ELECTRICAL SPECIFICATIONS		SOLAR SIDING DARK BEIGE	I-V CURVES
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/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		WARRANTY	
Temperature Coefficient Isc	0.036% /°C	Product Warranty: 25 years	
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:	
Temperature Coefficient Pmax	-0.36% /°C	<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>	
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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# ⚡ 305W – Brown Wood



ELECTRICAL SPECIFICATIONS		SOLAR SIDING BROWN WOOD TILE SHINGLES	I-V CURVES		
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 15 - 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		WARRANTY			
Temperature Coefficient Isc	0.036% /°C	Product Warranty: 25 years			
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:			
Temperature Coefficient Pmax	-0.36% /°C	≥ 97% end of 1st year			
Nominal Module Operating Temperature	42 ± 3°C	≥ 90% end of 12th year			
Operating Temperature	-40°C ~ +85°C	≥ 80% end of 25th year			
ENGINEERING DRAWING					
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	I-V CURVES
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/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		WARRANTY	
Temperature Coefficient Isc	0.036% /°C	Product Warranty: 25 years	
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:	
Temperature Coefficient Pmax	-0.36% /°C	<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>	
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		
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 - 4mm², 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	Product Warranty: 25 years			
Temperature Coefficient Voc	-0.27% /°C	Performance Warranty:			
Temperature Coefficient Pmax	-0.36% /°C	<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>			
Nominal Module Operating Temperature	42 ± 3°C	12 years - 90% 25 years - 80%			
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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## 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 Prague, Czechia



LSK Green Group

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