

LSK
Green Group





LSK Green Group a.s.

Máme 20 let zkušeností s řízením a výrobou zelené energie. Náš tým odborníků se specializuje na poskytování individuálních energetických řešení přizpůsobených specifickým potřebám našich klientů.

Naším cílem je pomáhat klientům snížit jejich náklady díky užívání obnovitelné energie, abychom tím spolu přispěli k ochraně životního prostředí.

Pevně věříme, že společnými silami můžeme budovat udržitelnější budoucnost. Zabýváme se atypickými a moderními řešeními v oblasti energetiky, jako jsou například fotovoltaické fasadní panely a mnoho dalších řešení. Jsme také poskytovatelé PPA kontraktu.



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.

APLIKACE



BYTOVÉ DOMY



ADMINISTRATIVNÍ
BUDOVY



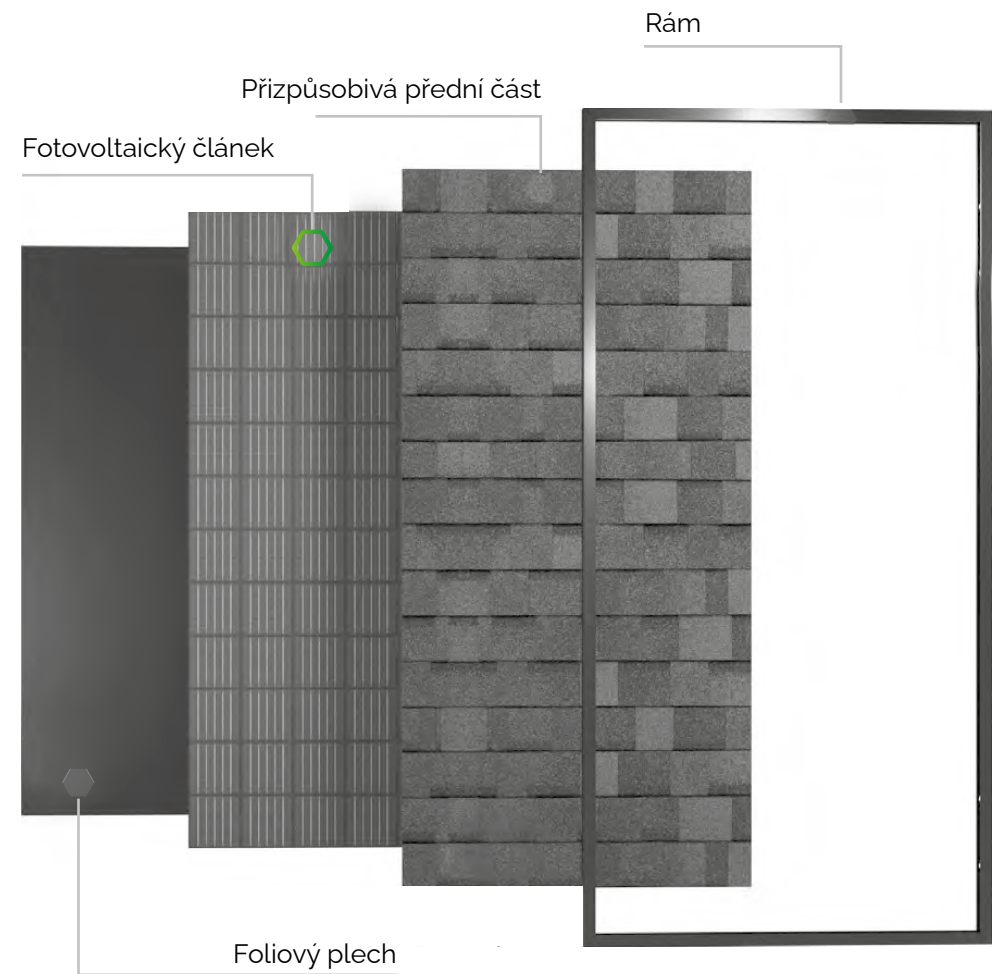
PRŮMYSLOVÉ
BUDOVY



SOLÁRNÍ STŘEŠNÍ
SYSTÉMY

SOLÁRNÍ STŘECHY

Solární střechy umožňují mnohem větší estetickou volnost než tradiční solární panely. Střešní panely od společnosti LSK Green Group jsou navrženy tak, aby vypadaly jako součást tradičního střešního materiálu.



SOLÁRNÍ STŘECHY

 MITREX
BUILDING-INTEGRATED SOLAR TECHNOLOGY

LSK
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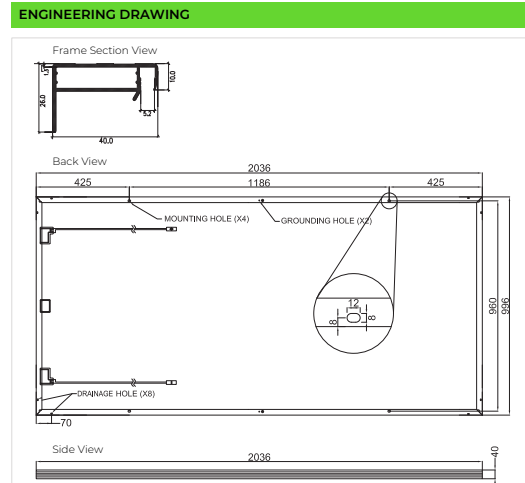
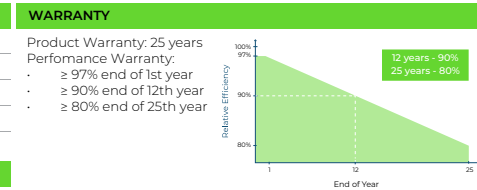
⚡ 310W – Spanish Clay Tile



ELECTRICAL SPECIFICATIONS	SOLAR ROOF SPANISH CLAY	I-V CURVES
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	
Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C		

MECHANICAL PROPERTIES	METRIC	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Mechanical Test Load (Snow/Wind)	5400Pa front load / 5400Pa rear load	112.8psf front load / 112.8psf rear load
Hail Impact Resistance	Ø 25mm at 83 km/h	Ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Class	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm², 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in², 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



CERTIFICATIONS

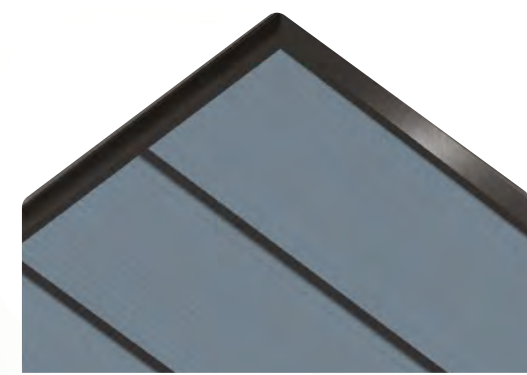
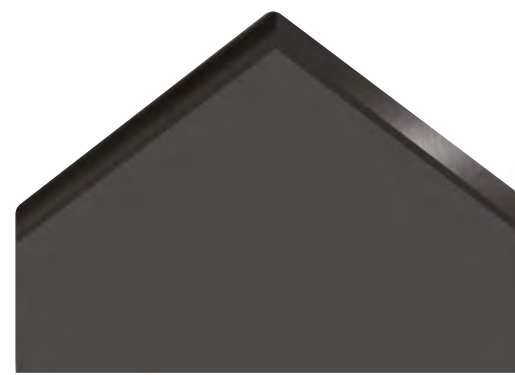
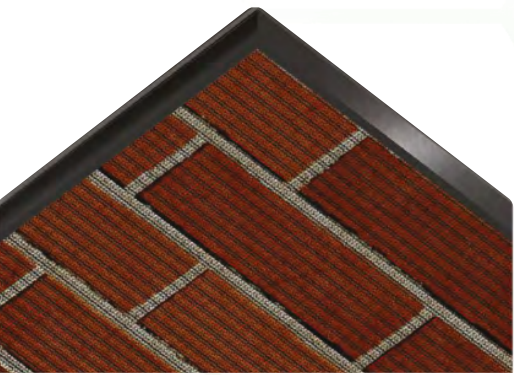
UL 61730-1/-2, CSA C22.2 #61730-1/-2, IEC 61730-1/-2, UL 61215-1/-2, IEC 61215-1/-2, CSA 61215-1/-2, CEC Listed

- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.
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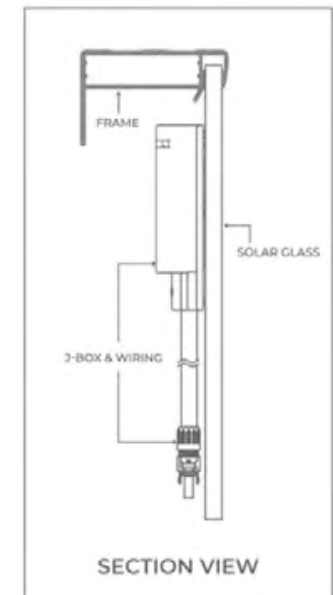
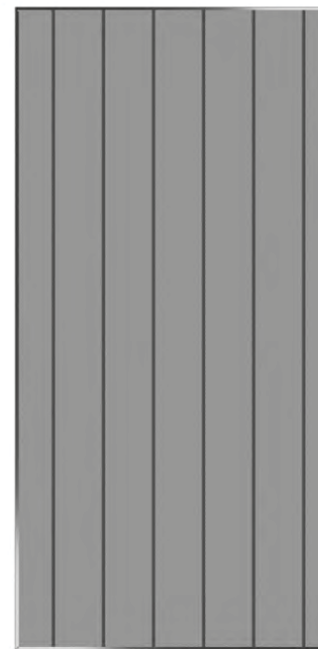
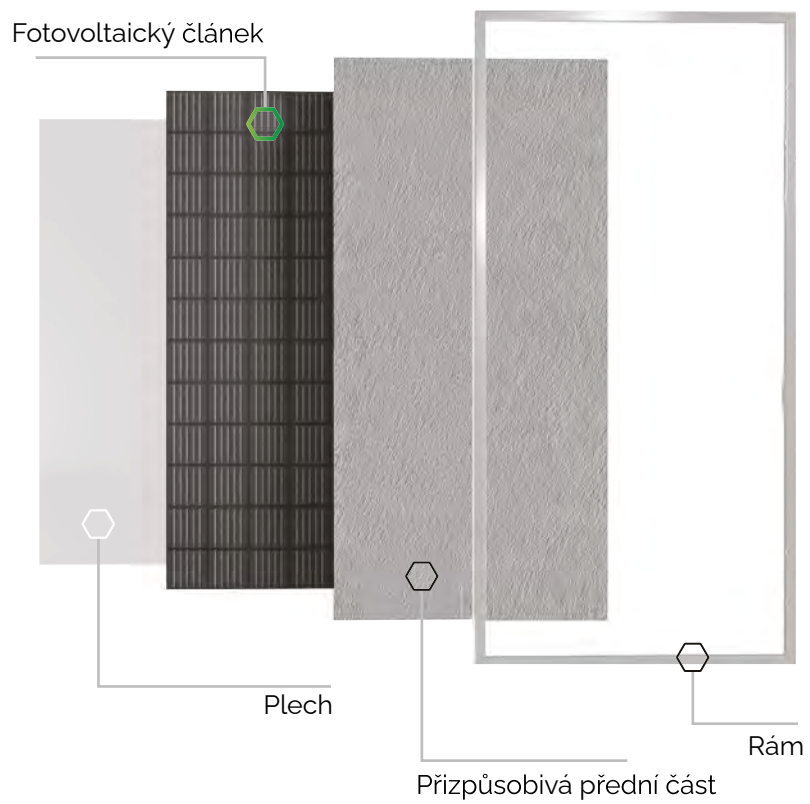


Solární fasádní obklad představuje inovativní způsob, jak přidat udržitelný zdroj energie do budov. Nabízí různé designové varianty, které lze snadno začlenit do nových nebo stávajících staveb.

Tyto panely nejen zlepšují estetický vzhled budovy, ale také poskytují vysoký výkon s minimální údržbou. Bez ohledu na to, zda se jedná o novostavbu nebo renovaci, solární fasádní obklad je ideální volbou pro majitele domů, kteří hledají inovativní způsob, jak zvýšit energetickou účinnost svého domova.



SLOŽENÍ SOLÁRNÍHO MODULU



INTEGROVANÁ SOLÁRNÍ FASÁDNÍ TECHNOLOGIE

 MITREX™
BUILDING-INTEGRATED SOLAR TECHNOLOGY





⚡ 265W — Rubrica Brick

⚡ 265W — Dark Beige

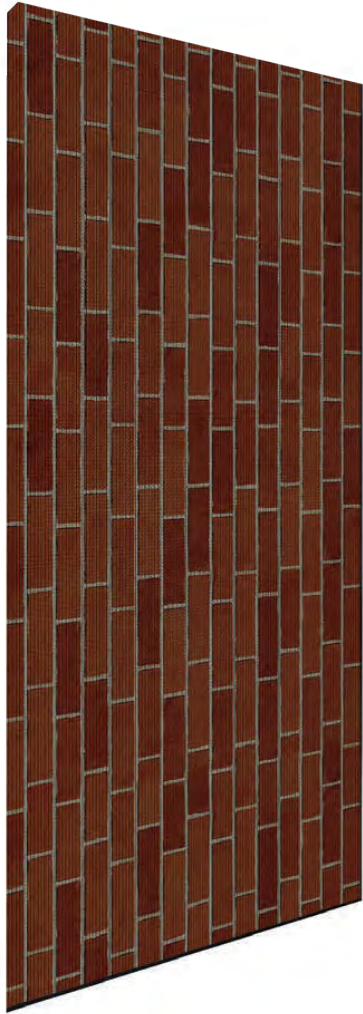
⚡ 305W — Brown Wood

⚡ 345W — Dark grey

⚡ 350W — Dove Grey

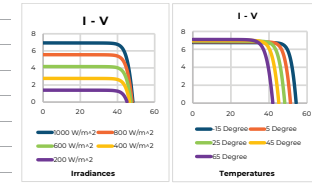


⚡ 265W – Rubrica Brick



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 - AM1.5 - Temperature 25°C



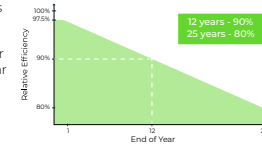
MECHANICAL PROPERTIES	METRIC	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load	50.1psf rear load / 50.1psf front load
Hail Impact Resistance	ø 25mm at 83 km/h	ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in 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

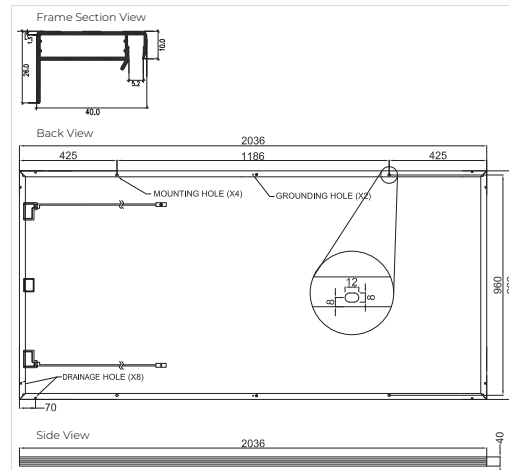
WARRANTY

Product Warranty: 25 years
Performance Warranty:

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



ENGINEERING DRAWING



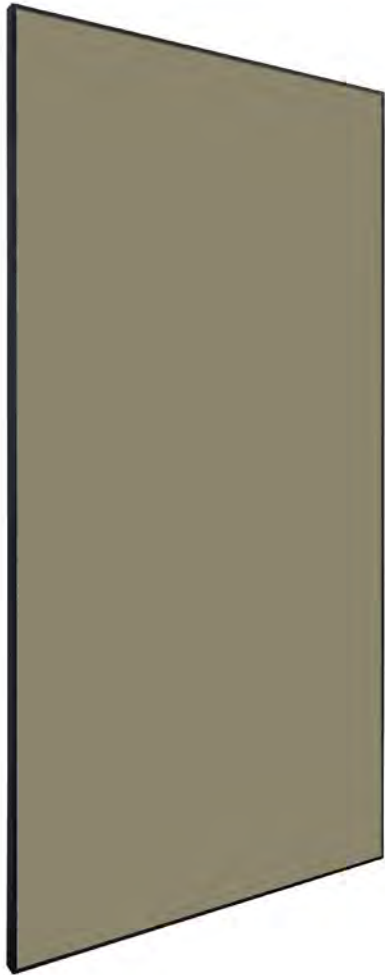
CERTIFICATIONS

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

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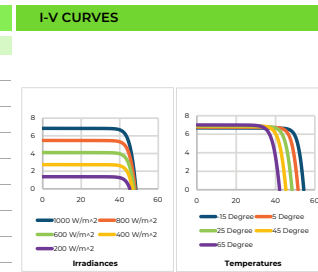


⚡ 265W — Dark Beige



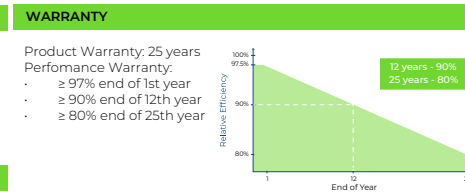
ELECTRICAL SPECIFICATIONS	SOLAR SIDING DARK BEIGE
Test Conditions	STC
Module Power (Pmax)	265W
Maximum Power Voltage (Vpmax)	40.5V
Maximum Power Current (Ipmax)	6.55A
Open Circuit Voltage (Voc)	48.4V
Short Circuit Current (Isc)	6.84A
Module Efficiency	13.1%
Maximum System Voltage (VDC)	1000V (IEC/UL)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

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

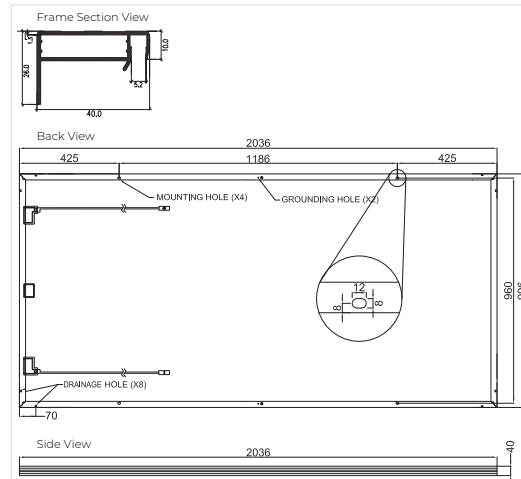


MECHANICAL PROPERTIES	METRIC	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load	50.1psf rear load / 50.1psf front load
Hail Impact Resistance	ø 25mm at 83 km/h	ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in 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



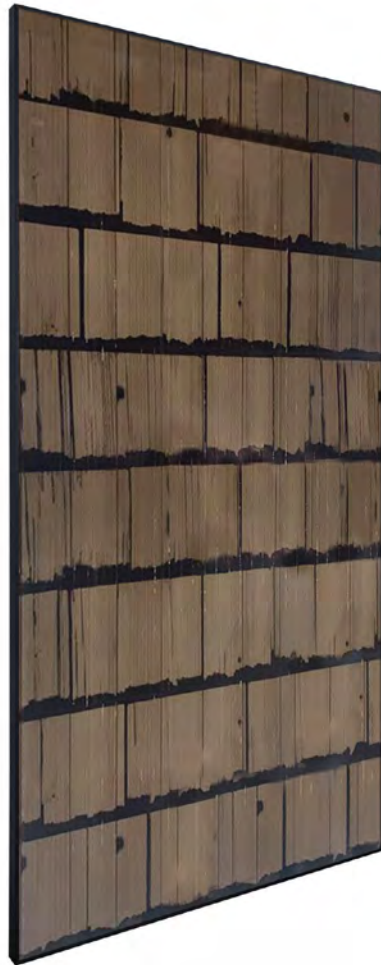
CERTIFICATIONS

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

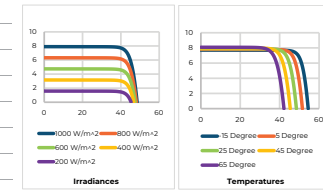
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⚡ 305W — Brown Wood



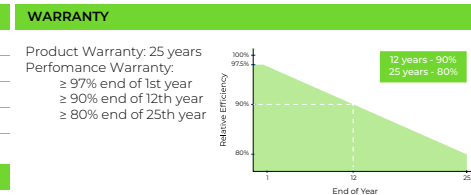
ELECTRICAL SPECIFICATIONS	SOLAR SIDING BROWN WOOD TILE SHINGLES
Test Conditions	STC
Module Power (Pmax)	305W
Maximum Power Voltage (Vpmax)	40.6V
Maximum Power Current (Ipmax)	7.51A
Open Circuit Voltage (Voc)	48.5V
Short Circuit Current (Isc)	7.90A
Module Efficiency	15.0%
Maximum System Voltage (VDC)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



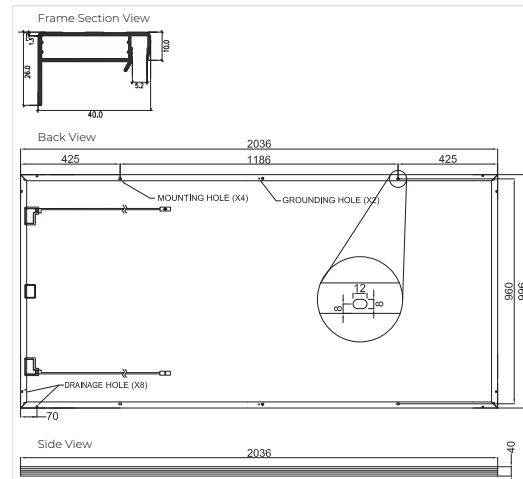
Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C

MECHANICAL PROPERTIES	METRIC	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load	50.1psf rear load / 50.1psf front load
Hail Impact Resistance	ø 25mm at 83 km/h	ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in 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



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/m² - AM1.5 - Temperature 25°C

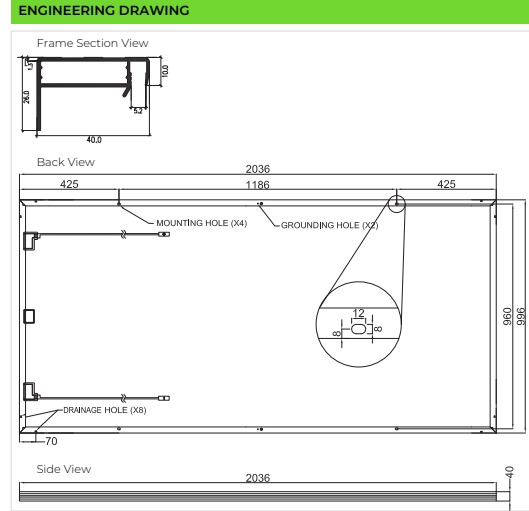
MECHANICAL PROPERTIES	METRIC	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load	50.1psf rear load / 50.1psf front load
Hail Impact Resistance	ø 25mm at 83 km/h	ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Class	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in 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



CERTIFICATIONS

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

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⚡ 350W – Dove Grey

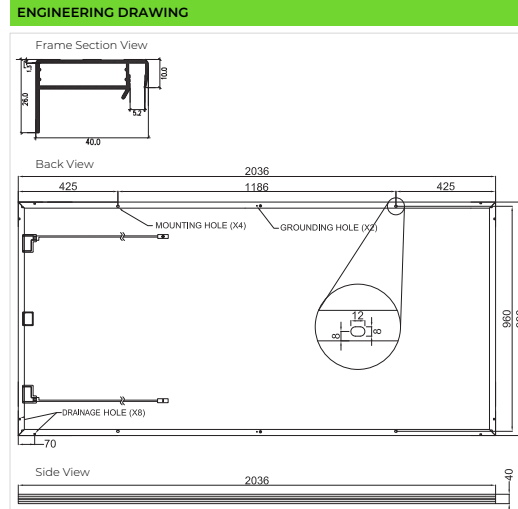
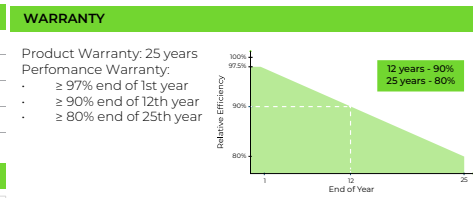


ELECTRICAL SPECIFICATIONS	SOLAR SIDING DOVE GREY	I-V CURVES
Test Conditions	STC	
Module Power (Pmax)	350W	
Maximum Power Voltage (Vpmax)	41.0V	
Maximum Power Current (Ipmax)	8.54A	
Open Circuit Voltage (Voc)	48.9V	
Short Circuit Current (Isc)	9.07A	
Module Efficiency	17.3%	
Maximum System Voltage (VDC)	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	IMPERIAL
Module Weight	22 kg	48.5 lbs
Dimensions (H x L x D)	2036 x 996 x 40mm	80.2 x 39.2 x 1.6in
Maximum Surface Load (Wind / Snow)	2400Pa rear load / 2400Pa front load	50.1psf rear load / 50.1psf front load
Hail Impact Resistance	ø 25mm at 83 km/h	ø 1in at 51.6 mph
Cells	72 [12x6] Mono-crystalline (158.75 x 158.75mm)	72 [12x6] Mono-crystalline (6.25 x 6.25in)
Glass	3.2mm tempered glass, high transmittance, anti-reflective coating	0.126in tempered glass, high transmittance, anti-reflective coating
Cables & Connectors (Refer to Installation Manual)	300mm, 1000mm, 1200mm - 4mm ² , 12 AWG (UL) MC4 from Staubli	11.8in, 39.4in, 47.2in - 0.16in 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



CERTIFICATIONS

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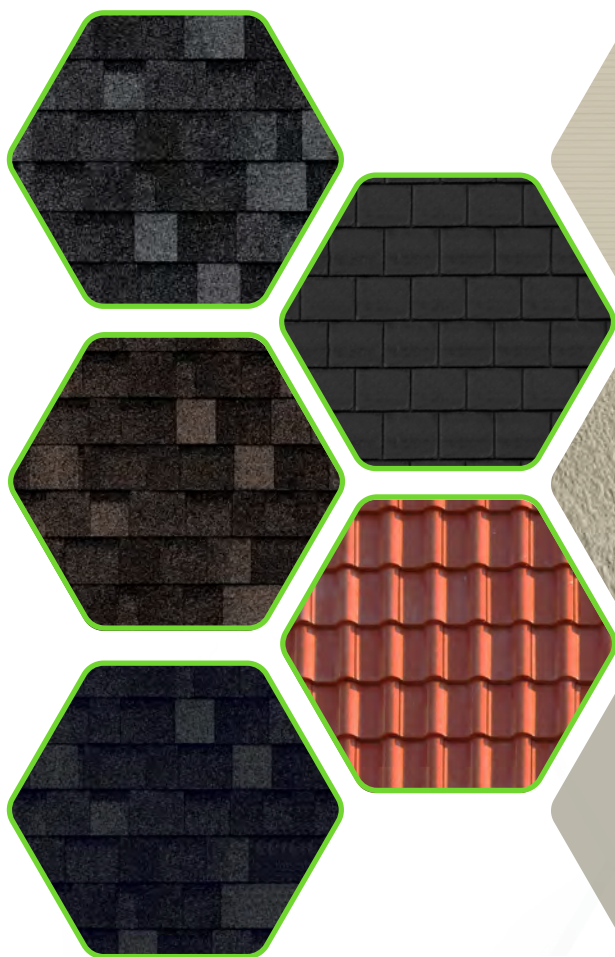


NEOMEZENÉ MOŽNOSTI MATERIÁLŮ

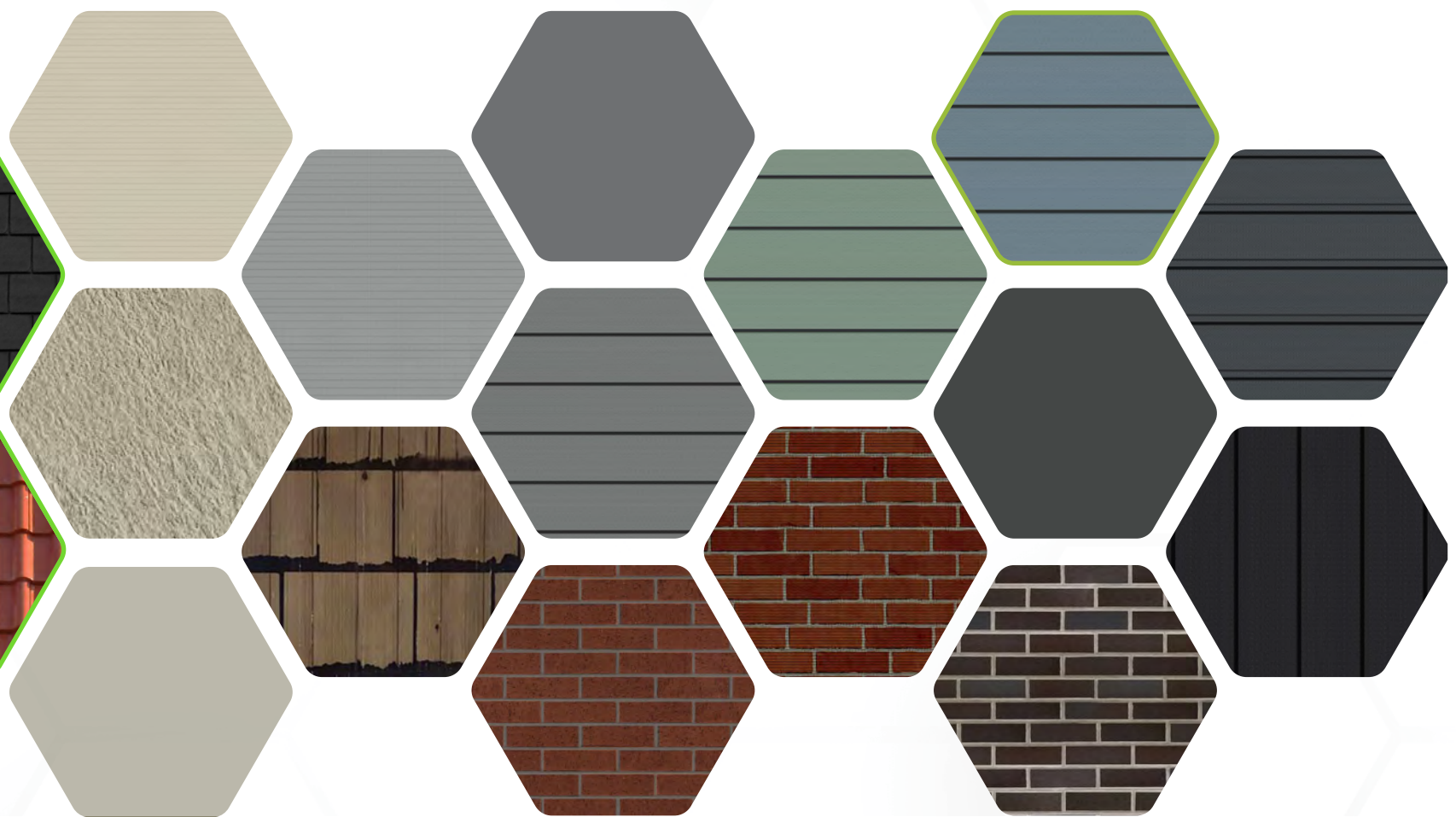
Standartně poskytujeme širokou škálu různých barev a textur, které jsou vhodné pro jakékoliv využití.

Při zájmu o nestandardní barvu či texturu nás neváhejte kontaktovat

STŘEŠNÍ



FASÁDNÍ





SHOWROOM

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

Let's stay in touch



www.lskgreengroup.com

