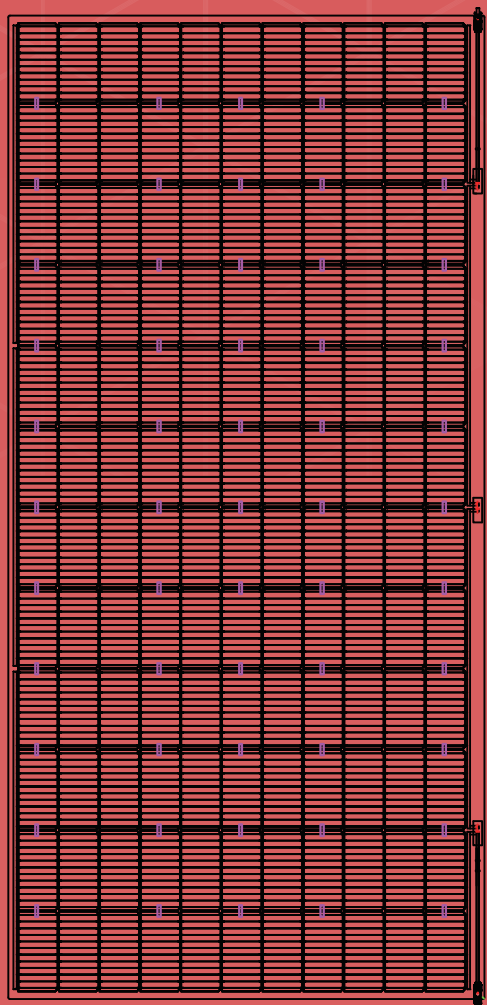


eArc

SMH625L-12X11DW/DB

625 Watt
132 Half Cell Monocrystalline Module



Ultra-light: Glass free module weighs 7.32 kg, 70% lighter than conventional glass modules.



Fast-Installation: Through "Quick-Bonding" installation, eArc requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



Safety: Seamless integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.



Durable: eArc is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC61730:2016 and UL61730 (USA).

POWER OUTPUT RANGE 625 W

POWER TOLERANCE 0-5 W

MADE IN CHINA

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

25 Year Linear Power Warranty



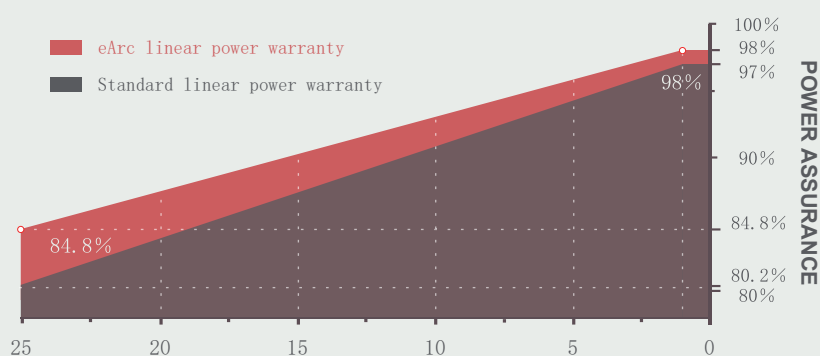
www.sunman-energy.com



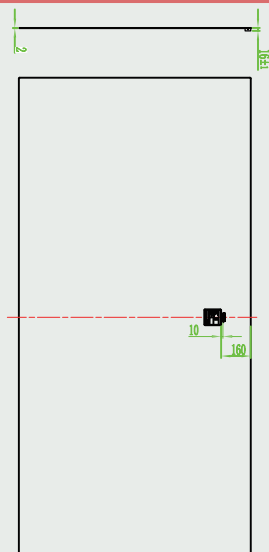
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

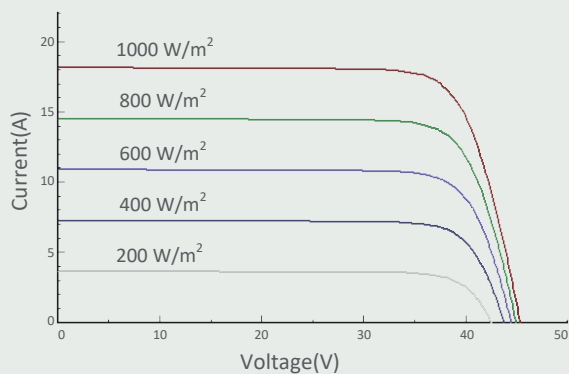
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DIMENSIONS



I-V CURVE (625)



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT) **41±2 °C**

Temperature Coefficient of P_{max} **-0.34 %/°C**

Temperature Coefficient of V_{oc} **-0.26 %/°C**

Temperature Coefficient of I_{sc} **0.033 %/°C**

Fire resistance:
C in accordance with UL 790



SMH Series has been certified to install on color-bond steel roof sheeting and Zincalume. Any other roof sheeting install requires consultation with Sunman or its local importer. Installation of SMF series requires sika SG 20 Silicone Adhesive.

SMHDW/IEC EN 2023B 6

ELECTRICAL CHARACTERISTICS

STC	SMH625L-12X11DW/DB
Maximum Power (P_{max})	625
Maximum Power Voltage (V_{mp})	38.69
Maximum Power Current (I_{mp})	16.16
Open-circuit Voltage (V_{oc})	45.34
Short-circuit Current (I_{sc})	18.13
Module Efficiency (%)	19.4
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	30 A
Application Class	Class A
Power Tolerance	0/+5 W

STC: Irradiance 1000W/m², Cell temperature 25 °C, AM=1.5. Tolerances of P_{max} , V_{oc} and I_{sc} are within ±5%

NMOT	SMH625L-12X11DW/DB
Maximum Power (P_{max})	504.6
Maximum Power Voltage (V_{mp})	37.5
Maximum Power Current (I_{mp})	13.44
Open-circuit Voltage (V_{oc})	45.3
Short-circuit Current (I_{sc})	14.48

NMOT: Irradiance 800W/m², Ambient temperature 20 °C, AM=1.5, Wind speed 1 m/s.

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon(210mm half cell)
No. of Cells	132 (12×11)
Module Dimensions	2582×1250×2 mm
Weight	7.32kg
Backsheet	White/Black
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2, (+)450 / (-)450 mm
Connector	XTONG : PV-XT101.1 

PACKAGING CONFIGURATION

	20' GP	40' HC
Module per pallet	40	40
Pieces per container	160	320