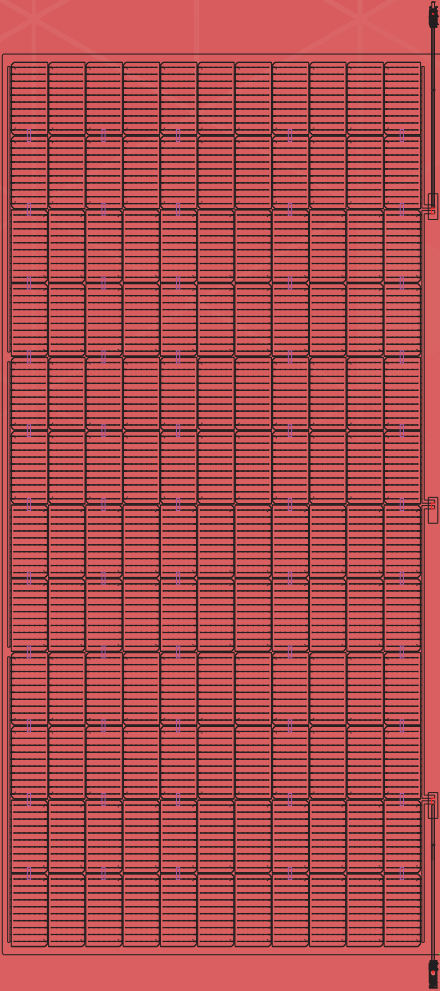


eArc

SMH475J-12X11UW

475 Watt
132 Half Cell Monocrystalline Module



Ultra-light: Glass free module weighs 5.62kg, 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 475 W

POWER TOLERANCE 0-5 W

MADE IN CHINA

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

25 Year Linear Power Warranty



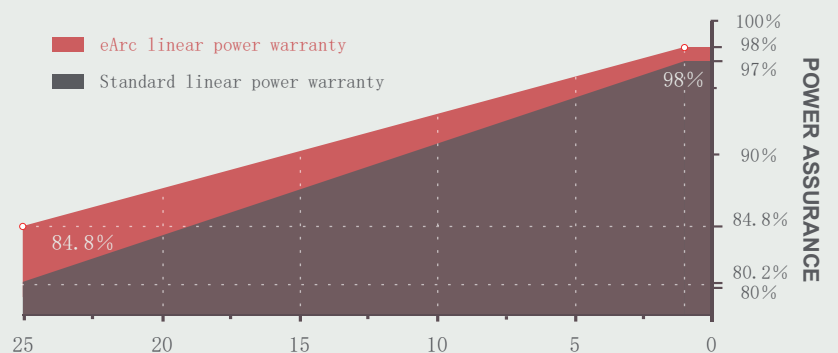
www.sunman-energy.com



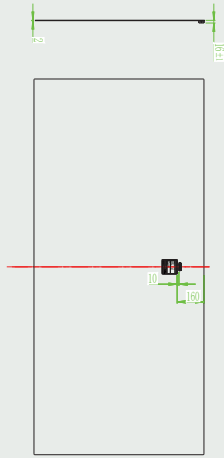
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

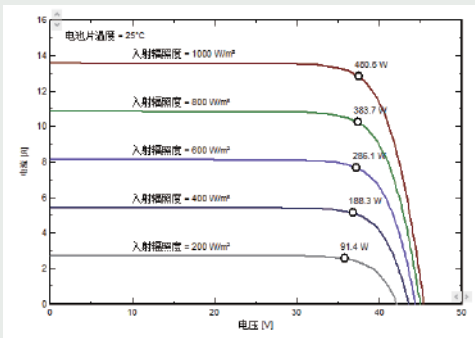
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DIMENSIONS



I-V CURVE (435)



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



SMH/IEC EN 2023B 6

ELECTRICAL CHARACTERISTICS

STC	SMH475J-12X11UW
Maximum Power (P _{max})	475
Maximum Power Voltage (V _{mp})	38.74
Maximum Power Current (I _{mp})	12.27
Open-circuit Voltage (V _{oc})	45.41
Short-circuit Current (I _{sc})	13.56
Module Efficiency (%)	19.3
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 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	SMH475J-12X11UW
Maximum Power (P _{max})	391.0
Maximum Power Voltage (V _{mp})	38.1
Maximum Power Current (I _{mp})	10.26
Open-circuit Voltage (V _{oc})	45.6
Short-circuit Current (I _{sc})	10.84

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon(182mm half cell)
No. of Cells	132 (12×11)
Module Dimensions	2246×1094×2 mm
Weight	5.62kg
Backsheet	White
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	800