

Mono Power: 500W

Dimensions: 82.44*44.65*1.38inch



Characteristics

- High efficiency solar cell to keep the modules efficiency reach to 21.05%.
- Positive tolerance to ensure higher output.
- Excellent performance under weak light conditions.
- Modules withstand extremely (temperature, load and impact) TUV certification.
- All modules combination and packing through stepping current to keep effectively reduce mismatch loss.
- 100% EL test to keep higher quality.



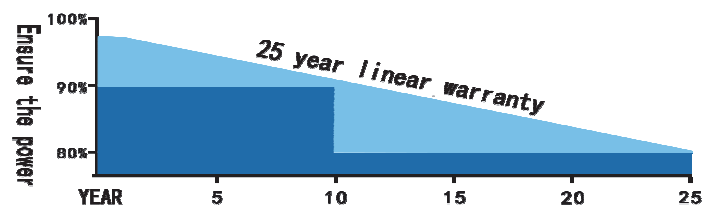
Anodized aluminum frame withstand corrosion and damage, Special osculum can reduce destruction by water freeze.



IP68 junction box long-term weather endurance.

Warranty

- 25 years Linear Product Workmanship Warranty.
- 10 years workmanship warranty.



Quality and safety

- ISO9001:2015、ISO14001:2015、ISO45001:2018 certified supplier, we provide world first class solar products for clients.
- TUV,IEC,CEC,CE,CB CA 92618 approved.

ISO 9001 ISO 14001

SGS TUV SAAR IEC 61215 IEC 61739 Photovoltaic Preparation

IEC

CB

Green Energy Council

CE

UL

Electrical Characteristics

Model No.	SG500WM
Maximum Power (Pmax)	500W
Max-power Voltage (Vmp)	37.60V
Max-power Current (Imp)	13.30A
Open-circuit Voltage (Voc)	44.36V
Short-circuit Current (Isc)	14.09A
Module Efficiency	21.05%
Operating Temperature	-40°F to 185°F(-40°C~+85°C)
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	20A
Power Tolerance	± 3%

*STC condition: 1000 W/m², 1.5AM and 25°C cell temperature.

Temperature Characteristics

NMOT	46°C±2°C
Temperature Co-efficient of Pmax	-0.36%/°C
Temperature Co-efficient of Voc	-0.28%/°C
Temperature Co-efficient of Isc	0.048%/°C

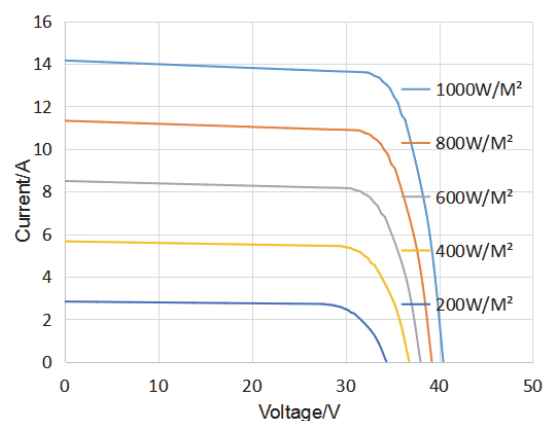
Mechanical Characteristics

Mono Power	500W
Cell Type	Mono182*91mm
Cell Arrangement	132(6*22)
Dimensions	82.44*44.65*1.38 (2094*1134*35mm)
Weight	56.2lbs(25.5kg)
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4mm ² , Length: (+) 300mm/ (-) 300mm

Packing

Packing	40HC
Pieces/Pallet	32
Pieces/container	682

I-V Curve



Dimensions

