

Mono Power: 440W
Dimensions: 75.16*44.65*1.38inch



Characteristics

- High efficiency solar cell to keep the modules efficiency reach to 20.32%.
- 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.



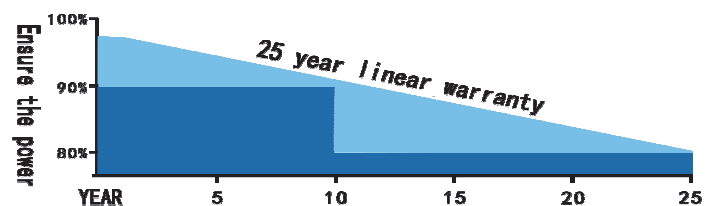
Anodized aluminum frame withstand corrosion and damage, Special osculum can reduce destruction by water freeze.



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 61730
Periodical Inspection

IEC

CB

CEC
Clean Energy Council

CE

UL

Electrical Characteristics

Model No.	SG440WM
Maximum Power (Pmax)	440W
Max-power Voltage (Vmp)	33.72V
Max-power Current (Imp)	13.05A
Open-circuit Voltage (Voc)	39.79V
Short-circuit Current (Isc)	13.73A
Module Efficiency	20.33%
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	-0.39%/°C
Temperature Co-efficient of Voc	-0.34%/°C
Temperature Co-efficient of Isc	0.06%/°C

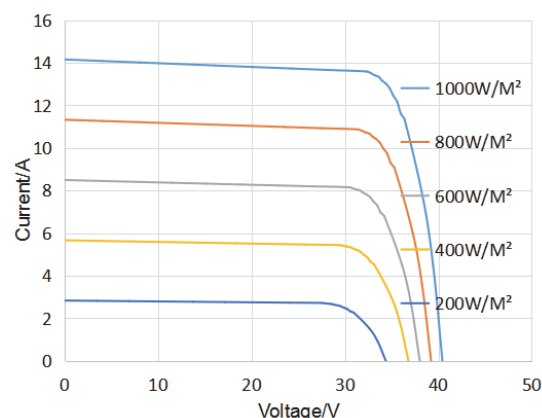
Mechanical Characteristics

Mono Power	440W
Cell Type	PERC Mono182*91mm
Cell Arrangement	12(6*20)
Dimensions	75.16*44.65*1.38inch (1909*1134*35mm)
Weight	54.0lbs(24.5kg)
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	744

I-V Curve



Dimensions

