



**Dimensions: 2279\*1134\*35mm**  
**Mono Power: 550W**

### Characteristics

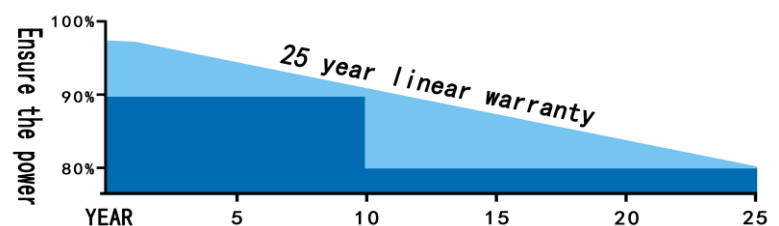
- High efficiency solar cell to keep the modules efficiency reach to 21.28%.
- Positive tolerance to ensure higher output.
- Excellent performance under weak light conditions.
- Modules withstand extremely (temperature, load and impact) TUV certification.
- All modules combination and packing through 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.

### Warranty

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



### Quality and safety

- ISO9001:2015 certified supplier, we provide world first class solar products for clients.
- TUV,IEC,CEC,CE,CB approved.



IP68 junction box  
long-term weather  
endurance.

ISO 9001 ISO 14001

SGS TÜV SAAR IEC 61215 IEC 61730 Periodical Inspection

IEC

CB

Clean Energy Council

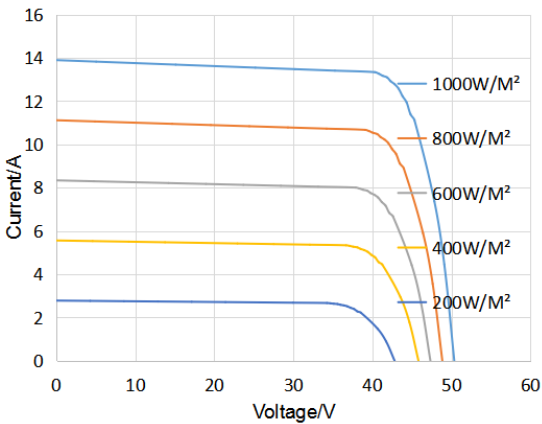
CE

Electrical Characteristics

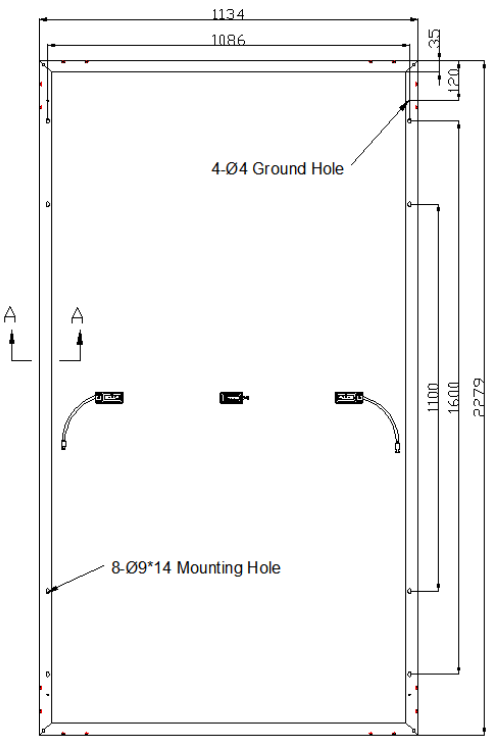
Model No.	SG-550WM
Maximum Power (Pmax)	550W
Max-power Voltage (Vmp)	41.96V
Max-power Current (Imp)	13.11A
Open-circuit Voltage (Voc)	49.9V
Short-circuit Current (Isc)	14.01A
Module Efficiency	21.28%
Operating Temperature	-40℃~+85℃
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	20A
Power Tolerance	±3%

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

I-V Curve



Dimensions



Temperature Characteristics

NMOT	46℃±2℃
Temperature Co-efficient of Pmax	-0.39%/℃
Temperature Co-efficient of Voc	-0.34%/℃
Temperature Co-efficient of Isc	0.06%/℃

Mechanical Characteristics

Mono Power	550W
Cell Type	Mono 182*91mm
Cell Arrangement	144(6*24)
Dimensions	2279*1134*35mm
Weight	28.6kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4mm²,Length: (+) 300mm/ (-) 300mm

Packing

Packing	40'HC
Pieces/Pallet	30
Pieces/container	600

