Mono Power：500W
Dimensions：82.44*44.65*1.38inch

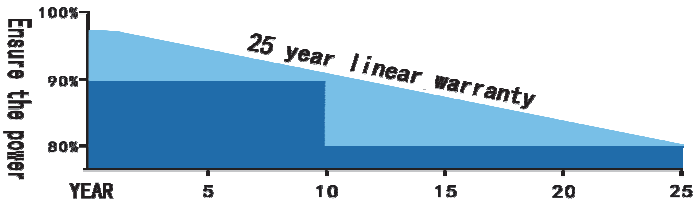
Characteristics

- 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.

Warranty

- *5 year 95% output warranty, 10 year 90% output warranty, 25 year 80% output warranty.*
- *12 years material and workmanship warranty.*

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



IP68 junction box long-term weather endurance.

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.
- UL61730, CEC Listed

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%
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	20A
Power Tolerance	±3%
Operating Temperature Range	-40~+185 °F (-40~+85℃)
Maximum Permissible Module Temperature (T28 max):	185 °F (85℃)
Module Fire Performance	Type 4 according to ANSI/UL 61730
Safety Class	Class II

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

Temperature Characteristics

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

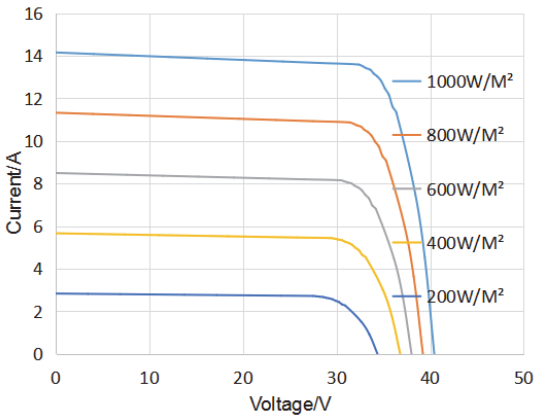
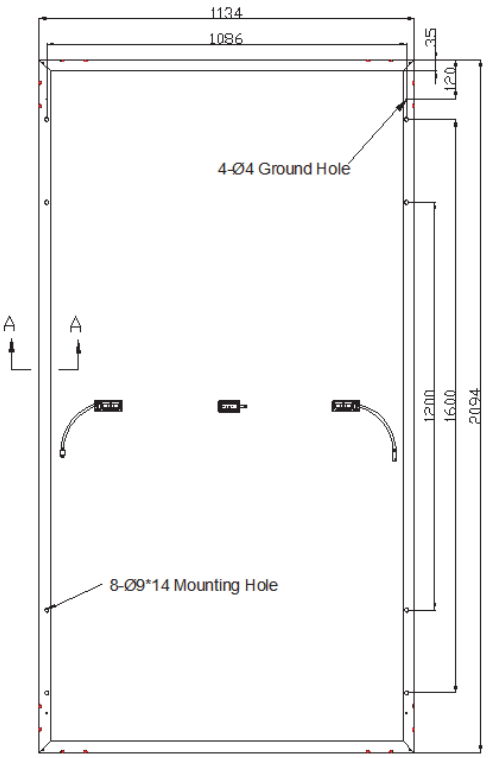
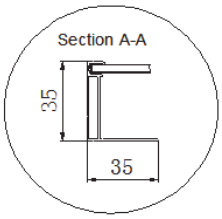
Mechanical Characteristics

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	4mm²,Length：（+）300mm/（-）300mm

Packing

Packing	40HC
Pieces/Pallet	32
Pieces/container	682

I-V Curve



Dimensions