

MONO SOLAR MODULE 125mm*125mm 100W

PRODUCT SPECIFICATION

Type Of Module	SG-100WM
Maximum Power (W)	100W
Tolerance (%)	±3%
Open Circuit Voltage (Voc)	22.4V
Short Circuit Current (Isc)	5.9A
Optimum Operating Voltage (Vmp)	18.5V
Optimum Operating Current (Imp)	5.41A
Module Efficiency (%)	15.0
Solar Cell Efficiency (%)	18.3
Series Fuse Rating (A)	15A
Junction Box	IP65
Cable connector MC4	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C
STC:Irradiance 1000w/m2, Temperature 25°C, AM=1.5	



PRODUCT FEATURE

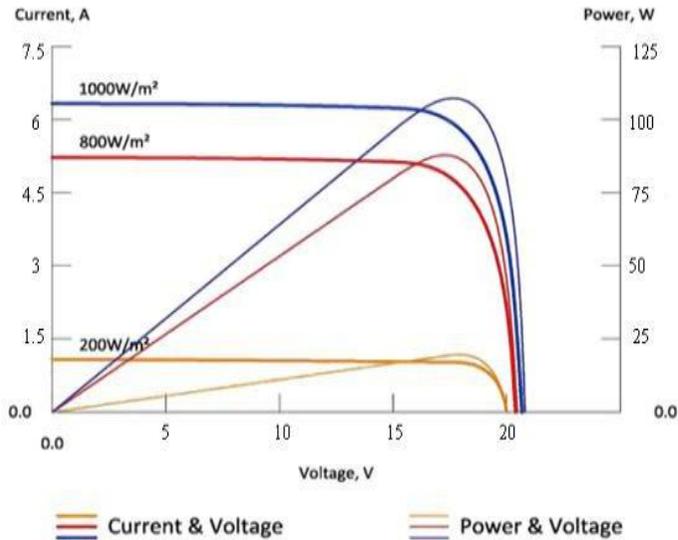
- Bypass diode minimizes the power drop by shade.
- The conversion efficiency of solar cell is above 18.3%
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Warranty 10years for material &workmanship.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electrical Characteristics

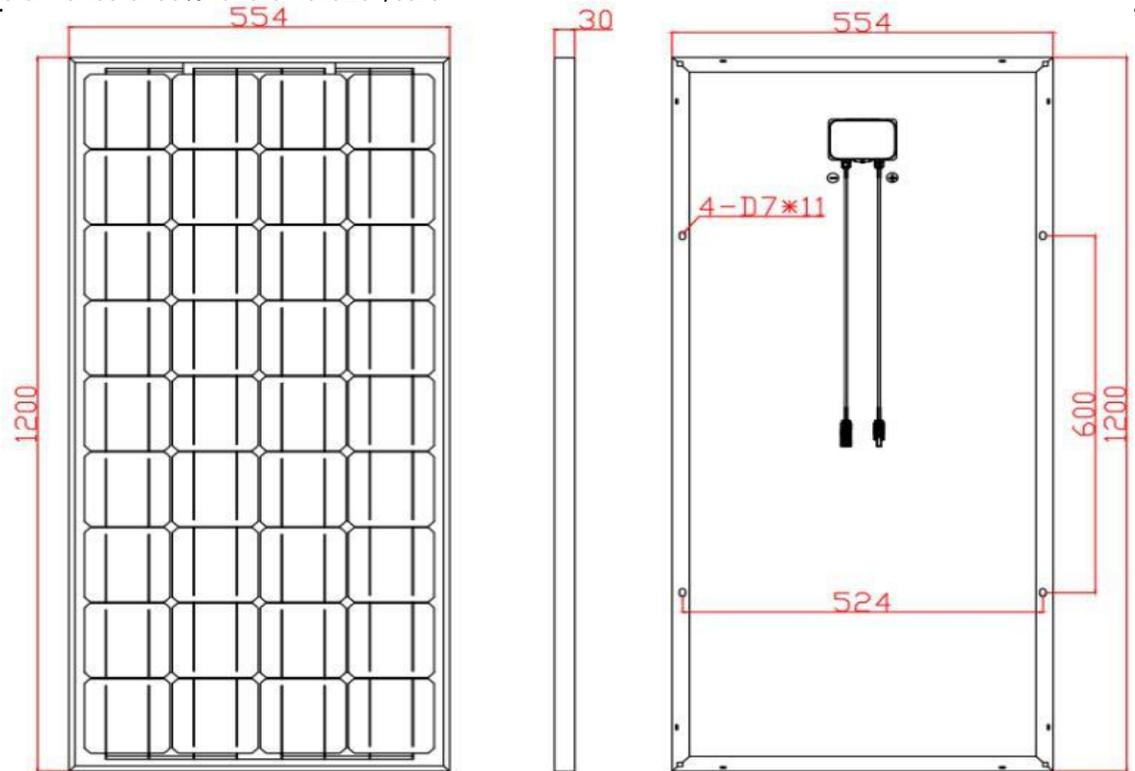
Current-Voltage & Power-Voltage characteristics various irradiance levels



Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47

Performance Warranty : performance of 90% of power output for the first 12 years
 performance of 80% for the next 25 years



Physical Specifications

Dimension 1200*554*30mm

Weight: 6.9KG/PCS

Normalpacking : 3pcs in one carton,then pack on wooden pallet.

