



Company

Sunworth solar, we commit ourselves to R&D, manufacture and technical innovation on PV modules and solar power system. To provide high quality products with various specifications for customers is always our pursuit.

Characteristics

- High efficiency solar cell to keep the modules efficiency reach to 17.56%.
- 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 within.
- 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 power output warranty, 90% power output for 10years, and 80% power output for 25years.
- 5 years workmanship warranty.



IP65 junction box long-term weather endurance.

Quality and safety

- ISO9001:2008 certified supplier, we provide world first class solar products for clients.
- IEC 61215, IEC 61730, IEC, CQC, CGC, CE, approved.



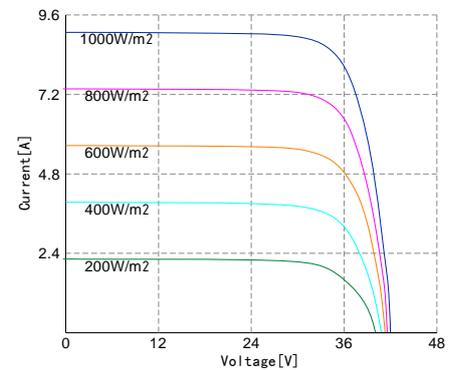


Electrical Characteristics

Model No.	SW275M	SW280M	SW285M
Maximum Power (Pmax)	275W	280W	285W
Max-power Voltage (Vmp)	31.8V	31.9V	32.1V
Max-power Current (Imp)	8.65A	8.78A	8.89A
Open-circuit Voltage (Voc)	39.0V	39.1V	39.2V
Short-circuit Current (Isc)	9.18A	9.32A	9.43A
Module Efficiency	16.94%	17.25%	17.56%
Operating Temperature	-40°C~+85°C		
Maximum System Voltage	1000Vdc		
Maximum Series Fuse Rating	20A		
Power tolerance	0~+5W		

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

I-V Curve



Temperature characteristics

NOCT	46°C±2°C
Temperature Co-efficient of Pmax	-0.43%/°C
Temperature Co-efficient of Voc	-0.35%/°C
Temperature Co-efficient of Isc	0.05%/°C

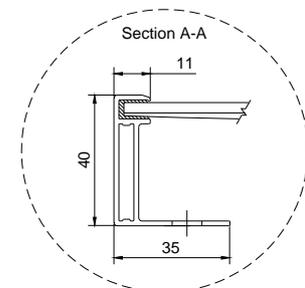
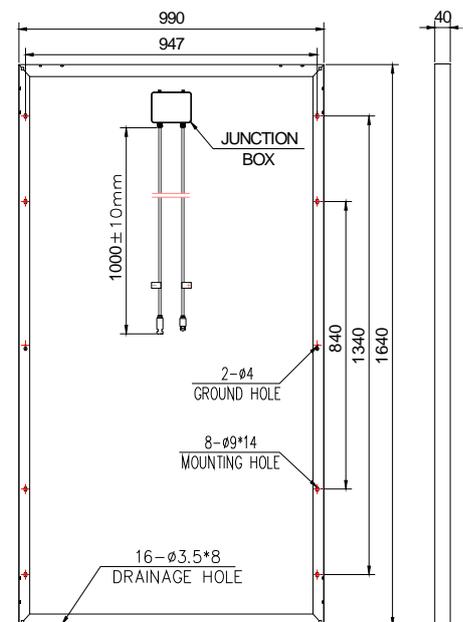
Mechanical characteristics

Model No.	SW275M/280M/285M
Cell Type	Monocrystalline silicon 156*156mm
Cell Arrangement	60(6*10)
Dimensions	1640*990*40mm
Weight	19.5Kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	4mm ² ,Length 1000mm
Connectors	MC4 comparable

Packing

Packing	20'GP	40'GP
Pieces per Carton	26/15mantissa	26
Carton/Pallet	1	1
Pallet/Container	14(2PCS mantissa)	28
Pieces/container	342	728

Dimensions



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