

Model No.: SW290P

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 to customers is always our pursuit.

Characteristics:

- Use high quality solar cells to advanced encapsulation
- Adopt high transparent low-iron tempered glass, high quality anti-UV EVA and back sheet.
- With multi-ply performance testing for each module, to ensure the product quality and output performance.
- Using anodization aluminum frame with anticorrosion, to ensure solar module working under extremely and badly outdoors environment

Warranty:

- Guarantee the workmanship for 5 years, 90% power output for 10years, and 80% power output for 20years.

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**Production application:**

- Solar power system
- Solar lighting, i.e. solar garden lamp, solar lawn lamp etc.
- Other small solar power supply

Electrical characteristics:

	SW290P
Max-power: Pm(W)	290W
Max-power voltage: Vm(V)	36.7V
Max-power current: Im(A)	7.90A
Open-circuit voltage: Voc(V)	44.6V
Short-circuit current: Isc(A)	8.37A
Max-system voltage(VDC)	1000V
Operating temperature(°C)	-40~+85°C
Power tolerance(%)T	0~+6W

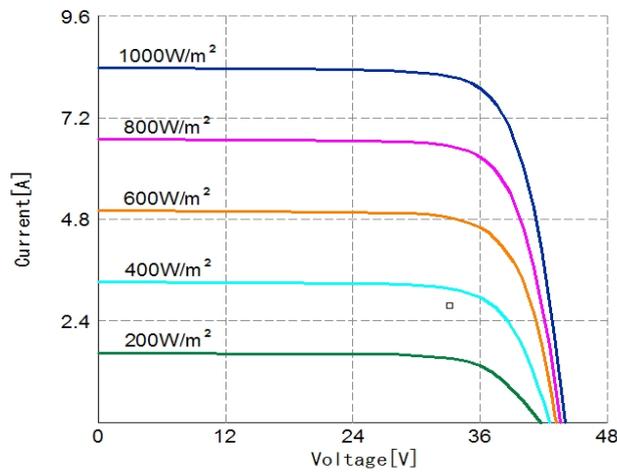
*STC condition: 1000 W/m², 1.5AM and 25°C cell temperature.

Mechanical characteristics:

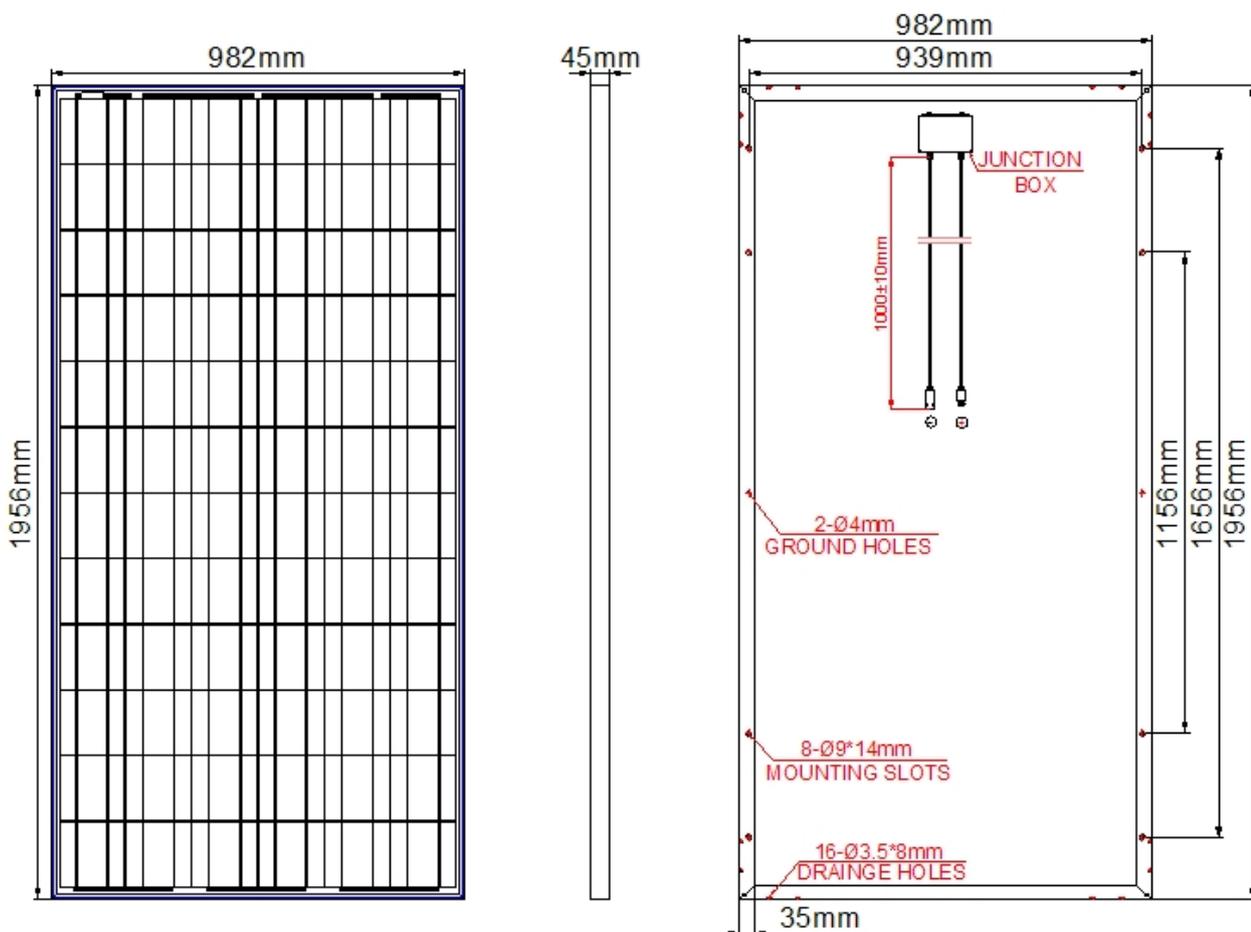
Type of solar cell	Polycrystalline
Lay up of solar cell	72 (6*12)PCS
Dimension of solar module	1956*982*45mm
Gross weight of solar module	21.9Kg
Front Cover	Low-iron Tempered glass/ 3.2mm
Frame	Anodization aluminum
Junction Box (protection degree)	IP65
Hailstone Impact	25mm at 23m/s
Qty/CTN	2 PCS

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I-V curves:



Dimensions:



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