



**Model No.: SW 290M**



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.



**Production application:**

- Independent power supply for remote area,i.e. house lighting etc.
- Solar lighting,i.e.solar garden lamp,solar lawn lamp etc.
- Solar power system
- Other samll solar power supply

**Electrical characteristics:**

	SW290M
Max-power:Pm(W)	290W
Max-power voltage: Vm(V)	37.0V
Max-power current: Im(A)	7.84A
Open-circuit voltage:Voc(V)	44.8V
Short-circuit current: Isc(A)	8.50A
Max-system voltage(VDC)	1000V
Operating temperature(°C)	-40°C~+85°C
Power tolerance	0~ +6W

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

**Mechanical characteristics:**

Type of solar cell	Monocrystalline
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	2PCS

Rev1.1 2011

ADD:Guancheng Science & Technology Park, Shilong Road, Dongcheng District, Dongguan City,  
Guangdong Province, and P.R.China

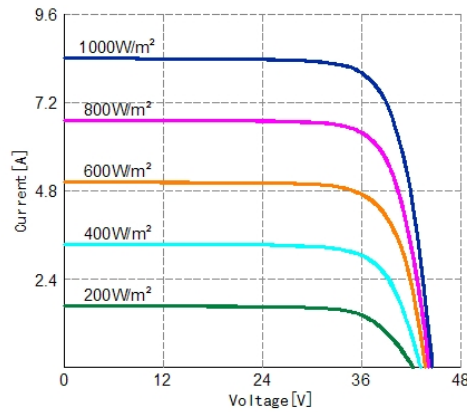
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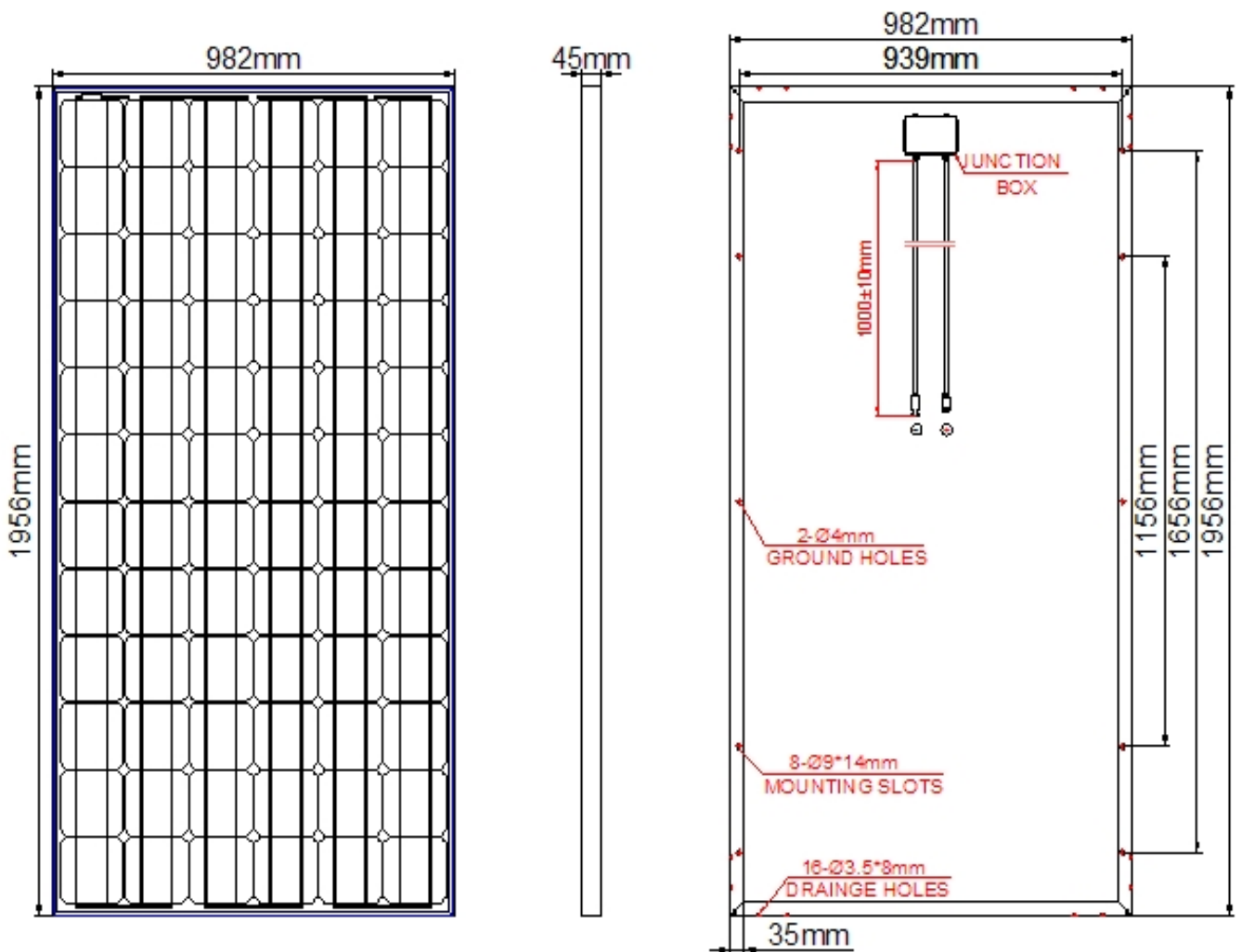
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**I-V curves:**



**Dimensions:**



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