

**Model No.: SW085P**

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 3 years, 90% power output for 10years, and 80% power output for 20years.

**Production application:**

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

**Electrical characteristics:**

	<b>SW085P</b>
Max-power: Pm(W)	85W
Max-power voltage: Vm(V)	18.1V
Max-power current: Im(A)	4.70A
Open-circuit voltage: Voc(V)	21.8V
Short-circuit current: Isc(A)	5.11A
Max-system voltage(VDC)	600℃
Operating temperature(℃)	-40~+85℃
Power tolerance(%)T	0~+6%

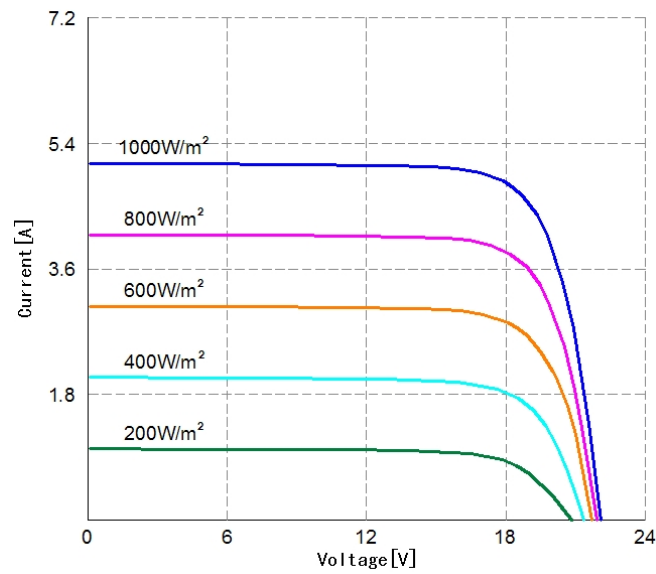
\*STC condition: 1000 W/m<sup>2</sup>, 1.5AM and 25℃ cell temperature.

**Mechanical characteristics:**

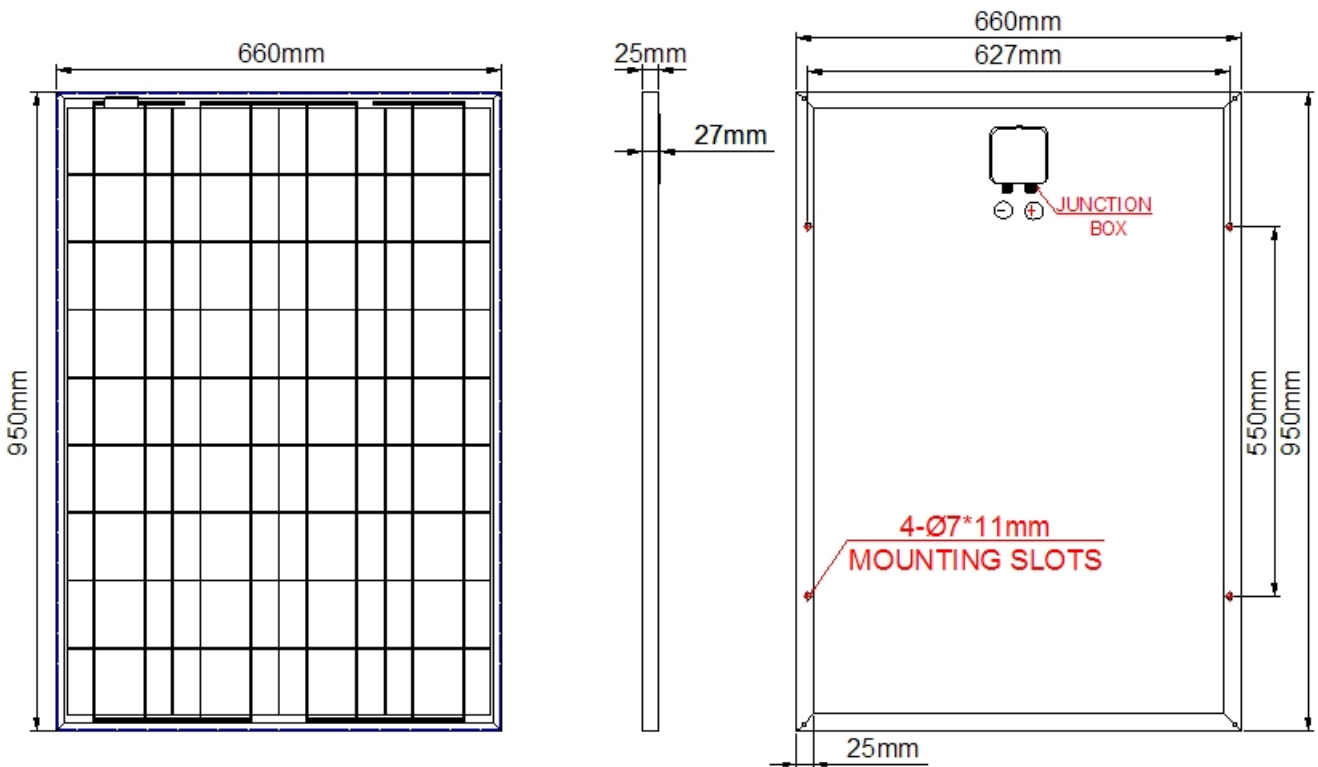
Type of solar cell	Polycrystalline
Lay up of solar cell	36 (4*9)PCS
Dimension of solar module	950*660*25mm
Gross weight of solar module	6.8Kg
Front Cover	Low-iron Tempered glass/ 3.2mm
Frame	Anodization aluminum
Junction Box (protection degree)	IP65
Hailstone Impact	25mm at 23m/s

Rev1.1 2013

**I-V curves:**



**Dimensions:**



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