

Model No.: SW090P

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.

Rev1.1 2013



Production application:

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

Electrical characteristics:

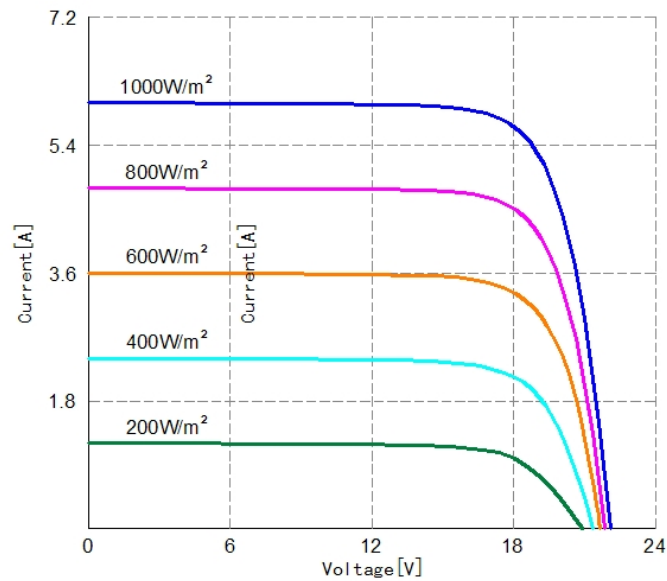
	SW090P
Max-power:Pm(W)	90W
Max-power voltage: Vm(V)	18.1V
Max-power current: Im(A)	4.97A
Open-circuit voltage:Voc(V)	21.8V
Short-circuit current: Isc(A)	5.41A
Max-system voltage(V _{DC})	600V
Operating temperature(°C)	-40~+85°C
Power tolerance(%)T	0~+6%

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

Mechanical characteristics:

Type of solar cell	Polycrystalline
Lay up of solar cell	36 (4*9)PCS
Dimension of solar module	1000*660*25mm
Gross weight of solar module	7.2Kg
Front Cover	Low-iron Tempered glass/ 3.2mm
Frame	Anodization aluminum
Junction Box (protection degree)	IP65
Hailstone Impact	25mm at 23m/s

I-V curves:



Dimensions:

