

**Model No.: SW105P**

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

**Electrical characteristics:**

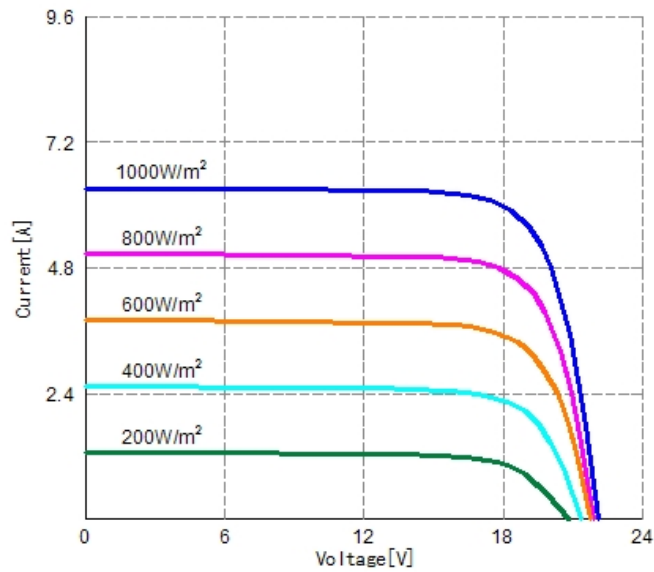
|                               | SW105P    |
|-------------------------------|-----------|
| Max-power:Pm(W)               | 105W      |
| Max-power voltage: Vm(V)      | 18.1V     |
| Max-power current: Im(A)      | 5.80A     |
| Open-circuit voltage:Voc(V)   | 21.8V     |
| Short-circuit current: Isc(A) | 6.32A     |
| Max-system voltage(VDC)       | 800V      |
| 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             | 36(4*9)PCS                     |
| Dimension of solar module        | 1160*665*30mm                  |
| Gross weight of solar module     | 8.7Kg                          |
| 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                          |

**I-V curves:**



**Dimensions:**

