



Datasheet

20Wp

Polycrystalline solar PV module

| Model Number | SRM-20P |
|-------------------------------|-----------|
| Maximum Power (pmax) | 20Wp |
| Optimum Operating Voltage/Vmp | 18.0V |
| Optimum Operating Current/Imp | 1.11A |
| Open Circuit Voltage /Voc | 21.6V |
| Short Circuit Current /Isc | 1.21A |
| Module Efficiency | 11.6% |
| Power Tolerance (%) | ±3 |
| Maximum Series Fuse Rating | 15A |
| Maximum system voltage | 1000 V DC |

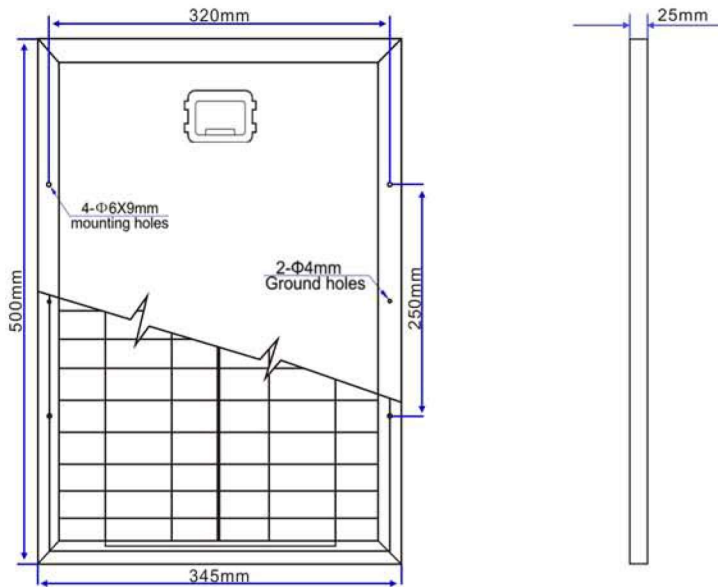
| Maximum Data | | |
|-------------------------------|-------------------|------------------|
| Operating Temperature | -40°C~+80°C | °C |
| Storage temperature | from -40°C ~+80°C | °C |
| Instulation cut voltage | 1000 | DC |
| Maximum wind resistance | 60m/s | N/m² or max Km/h |
| Surface maximum load capacity | 200 | Kg/m² |
| Maximum hail load capacity | 25mm | 80km/h |

EFFICIENCY

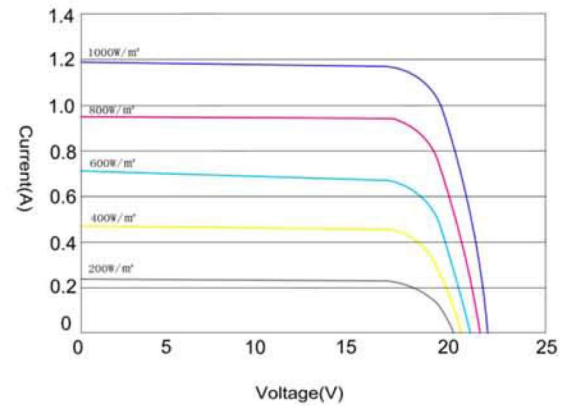
- Low voltage-temperature coefficient allows higher power output at high-temperature condition
- High efficient, high reliable solar cells ensure our product output stability



Physical Characteristics



I-V Curve



Laminating Data

| | |
|---------------------|--------------------------------|
| Cell dimension (mm) | 156 x 23 |
| Dimensions (mm) | 345x500x25 |
| Number of cells | 36(2*18) |
| Weight | 2.5Kg |
| Frame Material | Clear anodized aluminium frame |
| Thickness of glass | 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Laminating material | EVA |
| Backsheet material | TPT |
| Junction Box | Ip65 |

STC

| | |
|---------------------------|----------------------|
| AM condition | AM1.5 |
| Intensity of illumination | 1000W/m ² |
| temperature | 25°C |

Temperature Characteristics

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |
| Temperature Coefficient of Pmax | -0.45%/°C |
| Temperature Coefficient of Voc | -0.34%/°C |
| Temperature Coefficient of Isc | 0.050%/°C |

Superior Warranty



- 10** 10-years Manufacturing warranty.
- 12** 12-years warranty 90% power output.
- 25** 25-years warranty 80% power output.