

80Watt

Monocrystalline Solar Panel



Professional And Reliable Solar Panel Manufacturer

Characteristics	SPM-80SB101	SPM-85SB101	SPM-90SB101	SPM-95SB101	SPM-100SB101
Maximum power(Pm)	80.0W	85.0W	90.0W	95.0W	100.0W
Power Tolerance	±5%	±5%	±5%	±5%	±5%
Voltage at max power(Vmp)	17.4V	17.4V	17.4V	17.4V	17.4V
Current at max power(Imp)	4.60A	4.88A	5.17A	5.46A	5.75A
Open circuit voltage(Voc)	21.6V	21.6V	21.6V	21.6V	21.6V
Short circuit current(Isc)	5.06A	5.37A	5.69A	6.01A	6.33A
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V
Maximum Series Fuse Rating	8A	8A	8A	8A	8A
Standard Test Condition	Irradiance 1000W/m ² , Module temperature 25°C, AM=1.5				

Mechanical Characteristics

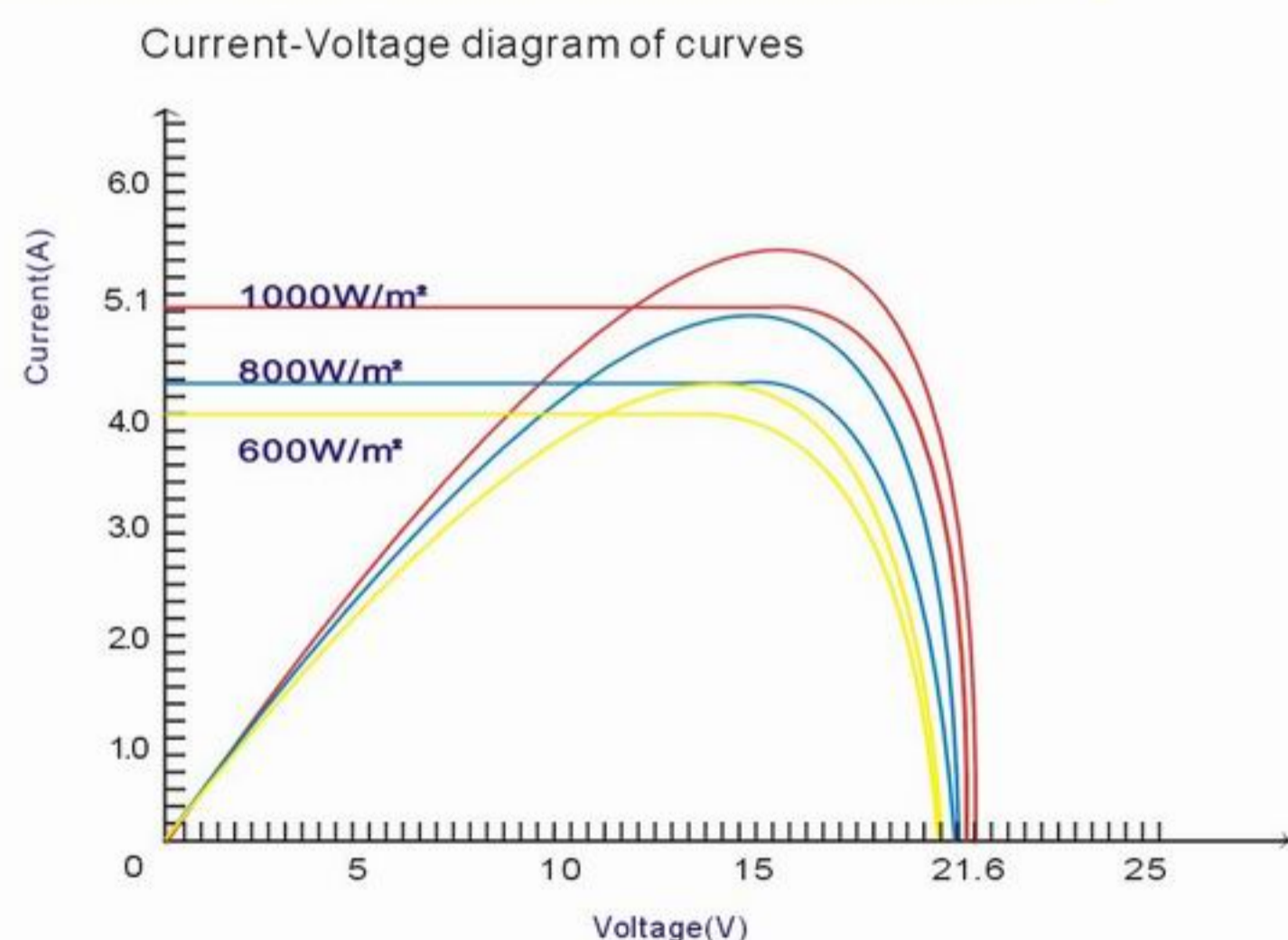
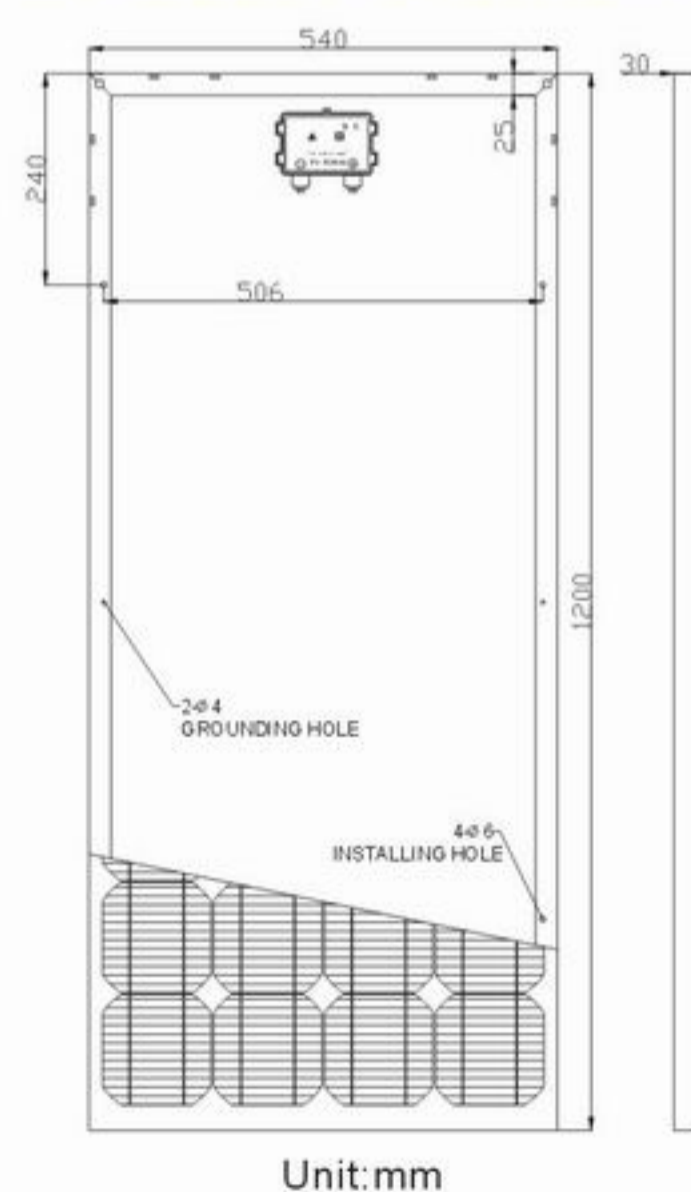
- Solar cell : Monocrystalline silicon solar cell 125×125mm(5inch)
- No. of cells and connections : 36 = 4 × 9 pcs
- Dimension of module : 1200×540×30mm(47.2×21.3×1.2inch)
- Weight : 8.5kg
- Junction Box : Ip54 rated
- Packing Configuration : 2PCS/CTN, 1230×570×85mm(48.4×22.4×3.3inch)
- Warranty : Pm is not less than 90% in 10 years and 80% in 20 years
- Resistances : 227g steel ball fall down from 1m height and 60m/s wind

Temperature Coefficients

- Noct : 48°C ± 2°C
- Current temperature coefficient : 0.06±0.01%/K
- Voltage temperature coefficient : -(78±10) MV/K
- Power temperature coefficient : -(0.5±0.05) %/K



Mechanical Characteristics



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IEC 61215 ed.2, IEC61730
and Safety Class II
Sunny Power is ISO9001
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