

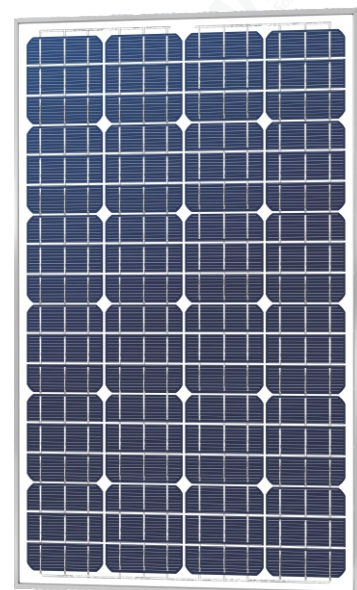
SIM100-12

High Efficiency Monocrystalline PV Module

Electrical Characteristics	SIM100-12
Product code	
Maximum power (Pmax)	100W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	5.81A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	6.46A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
Temperature coefficient of power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

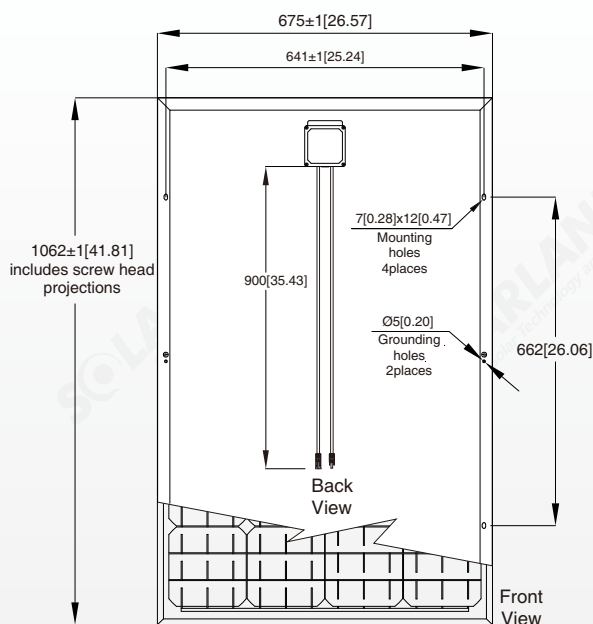
*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

*NOCT: Nominal operating cell temperature (the data is only for reference)



Module Diagram

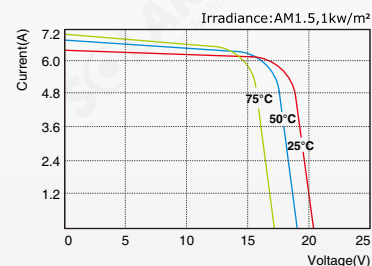
Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]



Features

- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

Characteristics



SIM100-12 I-V Curves

Specifications	SIM100-12
Cells	Monocrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	1062mm[41.81in.].x675mm[26.57in.].x30mm[1.18in.]
Weight	16.8kg[37.04lbs]/2pcs
Packing information(Carton)	1100mm[43.31in.].x715mm[28.15in.].x80mm[3.15in.]/(2pcs/ctn)

*Limited warranty: 2-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.

*Specifications are subject to change without notice at any time.