

SLP045-12U

High Efficiency Multicrystalline PV Module

Electrical Characteristics		SLP045-12U
Product code		045011203A
Maximum power (Pmax)		45W
Voltage at Pmax (Vmp)		17.2V
Current at Pmax (Imp)		2.62A
Open-circuit voltage (Voc)		21.6V
Short-circuit current (Isc)		2.92A
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/m ² wind 1m/s)		47±2°C
Operating temperature		-40°C to 85°C
Maximum system voltage		1000V DC
Power tolerance		± 5%

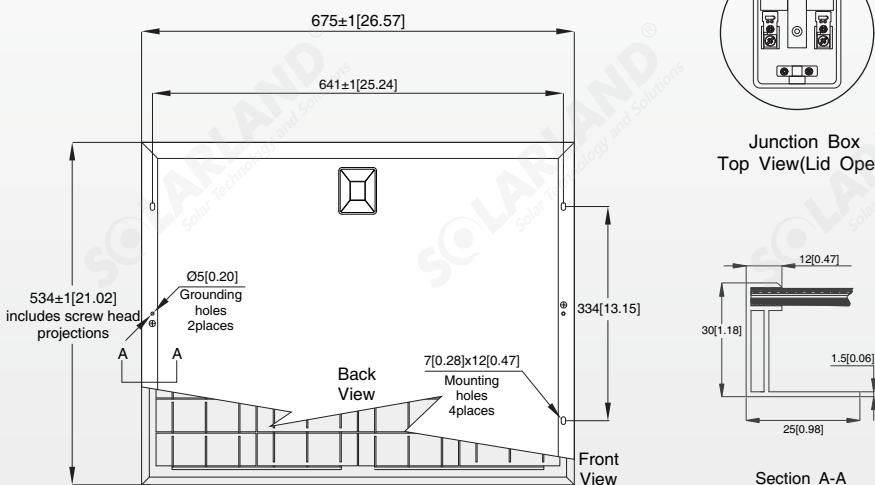
*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

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



Module Diagram

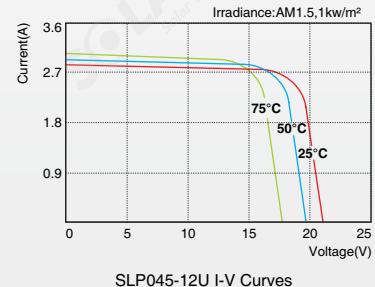
Dimensions in brackets are in inches.
 Un-bracketed dimensions are in millimeters.
 Unit: mm[in.]



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



Specifications		SLP045-12U
Cells		Polycrystalline silicon solar cell
No. of cells and connections		36(4X9)
Module dimension		534mm[21.02in.]x675mm[26.57in.]x30mm[1.18in.]
Weight		4.65kg[10.25lbs]
Packing information(Carton)		690mm[27.17in.]x180mm[7.09in.]x555mm[21.85in.]/(5pcs/ctn)

*Limited warranty: 5-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.