

# SLP045-12C1D2

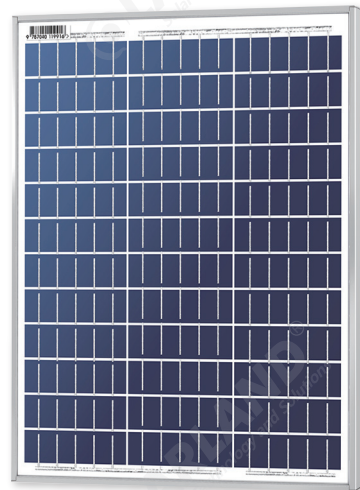
High Efficiency Multicrystalline PV Module



Certified to UL1703 and cUL1703  
Certified for Hazardous Environments  
C1D2 - Class 1, Division 2

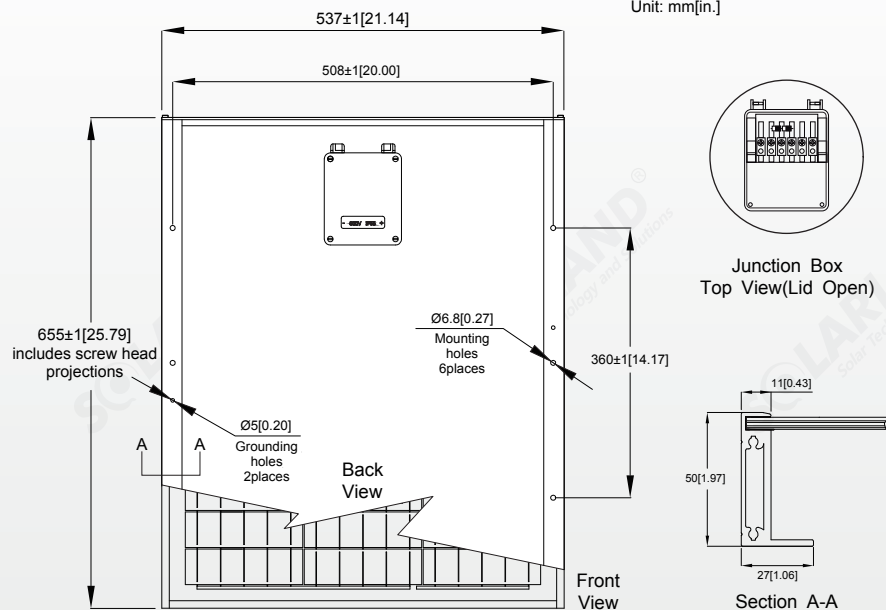
Electrical Characteristics	SLP045-12
Product code	045011264
Maximum power (Pmax)	45W
Voltage at Pmax (Vmp)	18.64V
Current at Pmax (Imp)	2.41A
Open-circuit voltage (Voc)	22.18V
Short-circuit current (Isc)	2.56A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
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	600V 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

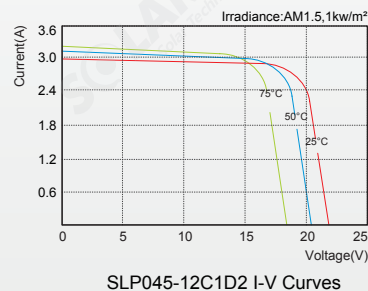
Dimensions in brackets are in inches.  
Un-bracketed dimensions are in millimeters.  
Unit: mm[in.]



## 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	SLP045-12
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(3X12)
Module dimension	655mm[25.79in.]x537mm[21.14in.]x50mm[1.97in.]
Weight	4.7kg[10.36lbs]
Packing information(Carton)	685mm[26.97in.]x250mm[9.84in.]x565mm[22.24in.]/(4pcs/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.