

SLP005-12R

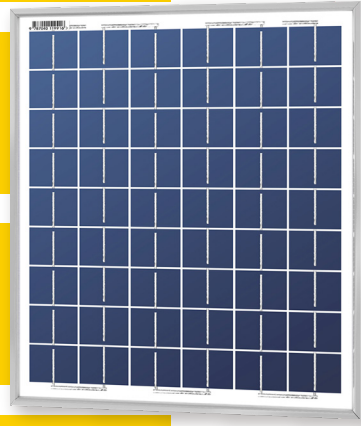
High Efficiency Polycrystalline PV Module

36 CELL
POLYCRYSTALLINE MODULE

5W
POWER OUTPUT

20.00%
MODULE EFFICIENCY

5%
POSITIVE TOLERANCE



- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Designed to withstand high wind pressures, hail and heavy snow.
- Quality aesthetic appearance.



High Efficiency

Module Efficiency improved through advanced cell technology and manufacturing capabilities



High PID Resistance

Advanced cell technology and qualified materials lead to high resistance to PID



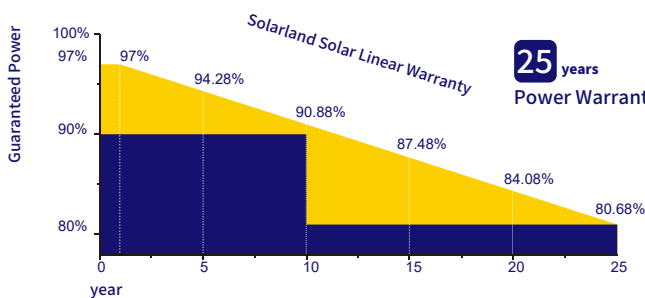
Withstands Harsh Environment

High PID resistance
5400 Pa positive load
2400 Pa negative load
Salt mist (IEC 61701)

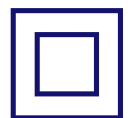
Performance Warranty

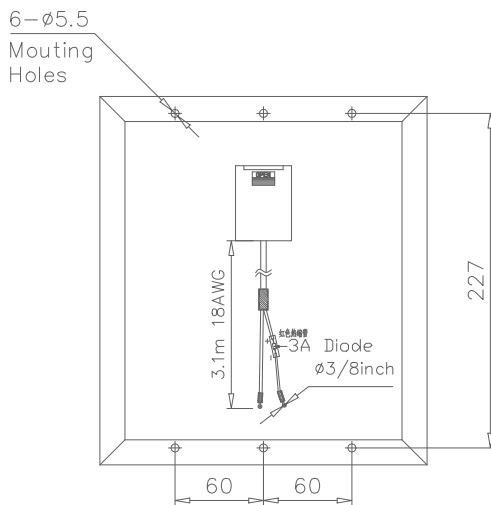
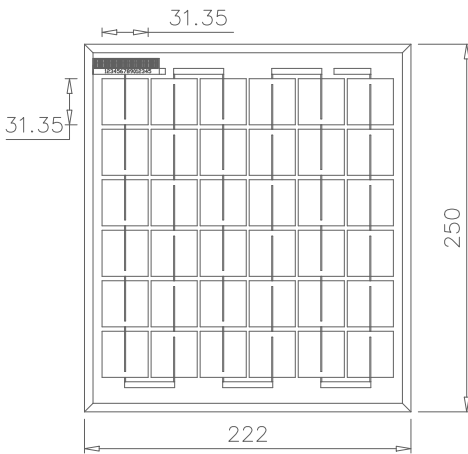
10 years
Product Warranty

25 years
Power Warranty



Product Certificate	IEC 61215, IEC 61730
Management Certificate	ISO 9001: 2016
Other certificate	Fire Rating Class C, TÜV Rheinland
Positive mechanical load	>5400Pa
Positive Power Tolerance	0~+5W
Warranty Information	2 Year Product Warranty and Workmanship

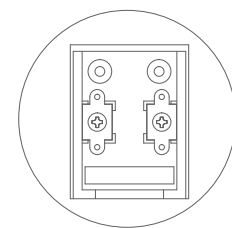




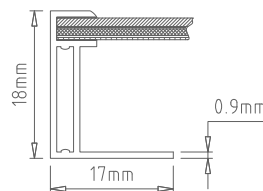
Electrical Characteristics	SLP005-12R
Product code	005011217
Maximum power (Pmax)	5W
Voltage at Pmax (Vmp)	17.0V
Current at Pmax (Imp)	0.29A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	0.34A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
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)

Specifications	SLP005-12R
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(6x6)
Module dimension	250mm[9.84in.]x222mm[8.74in.]x18mm[0.71in.]
Weight	0.7kg[1.54lbs]
Packing information(Carton)	310mm[12.20in.]x300mm[11.81in.]x255mm[10.04in.]/(10pcs/ctn)

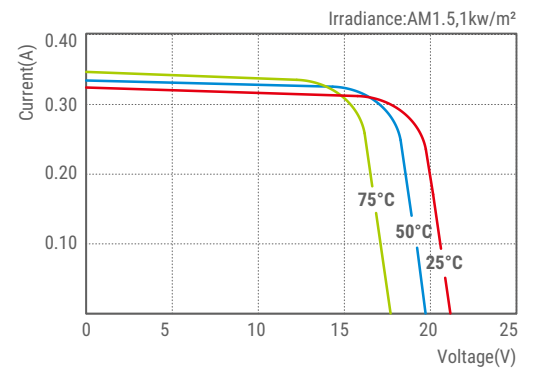


Junction Box
Top View (Lid Open)



Section A-A

Characteristics



SLP005-12R I-V Curves

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