

SLP180S-12U

High Efficiency Monocrystalline PV Module

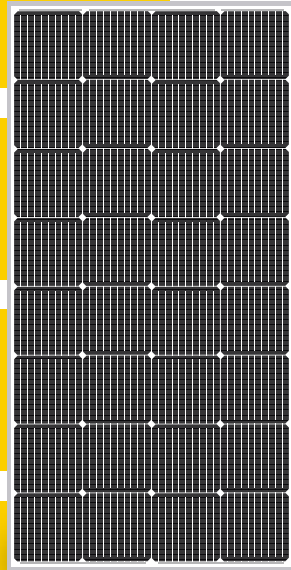
- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Designed to withstand high wind pressures, hail and heavy snow.
- Quality aesthetic appearance.

32 CELL
MONOCRYSTALLINE MODULE

180W
POWER OUTPUT

20.00%
MODULE EFFICIENCY

5%
POSITIVE TOLERANCE



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



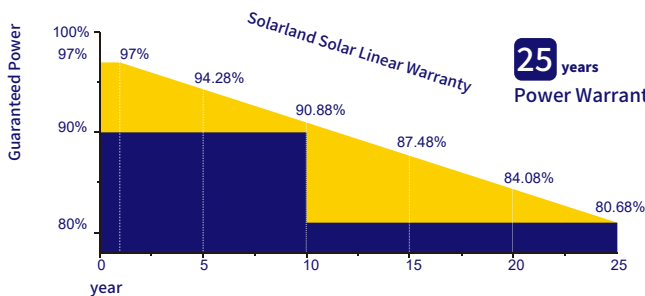
Withstands Harsh Environment

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

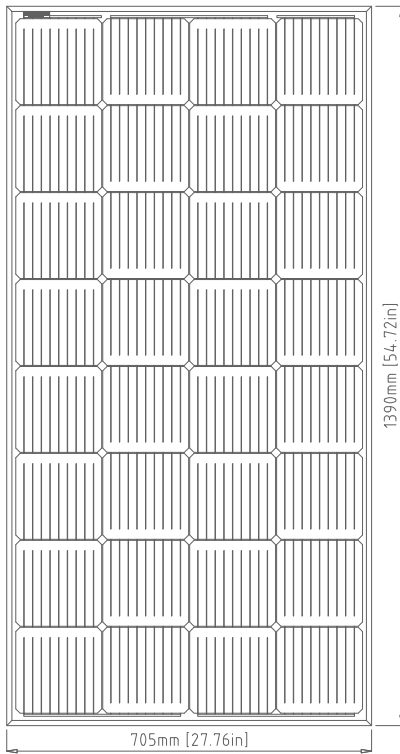
Performance Warranty

10 years
Product Warranty

25 years
Power Warranty



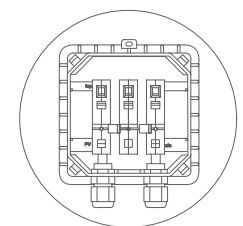
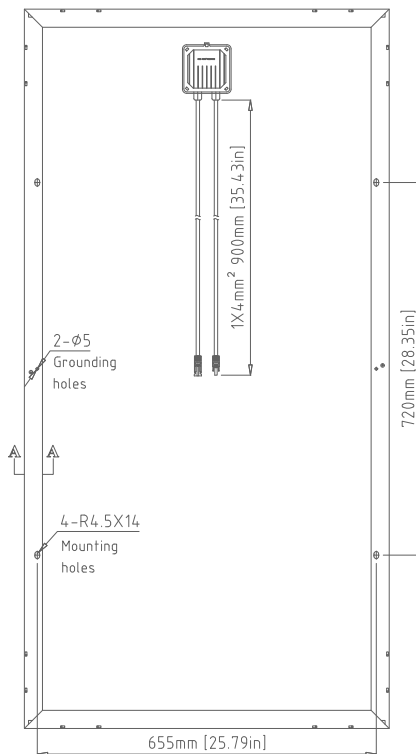
Positive mechanical load >5400Pa
Positive Power Tolerance 0~+5W
Warranty Information 2 Year Product Warranty and Workmanship



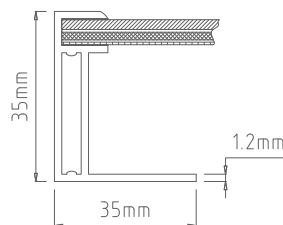
Electrical Characteristics	SLP180S-12U
Product code	180031201A
Maximum power (Pmax)	180W
Voltage at Pmax (Vmp)	17.99V
Current at Pmax (Imp)	10.01A
Open-circuit voltage (Voc)	20.91V
Short-circuit current (Isc)	10.55A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
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	SLP180S-12U
Cells	Monocrystalline silicon solar cell
No. of cells and connections	32(4X8)
Module dimension	1390mm[54.72in.]x705mm[27.76in.]x35mm[1.38in.]
Weight	10.84kg[23.90lbs]
Packing information(Carton)	1440mm[56.69in.]x755mm[29.72in.]x85mm[3.35in.]/(1pc/ctn)

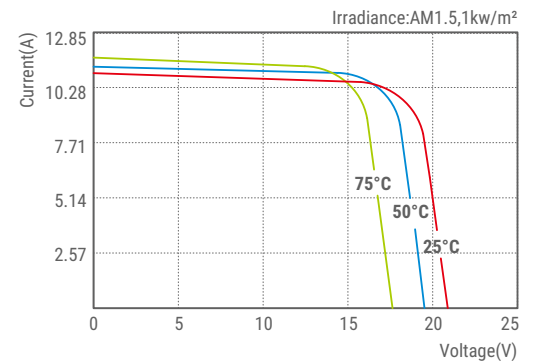


Junction Box
Top View (Lid Open)



Section A-A

Characteristics



SLP180S-12U I-V Curves

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