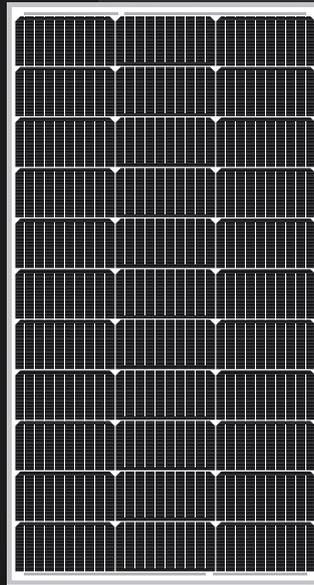


# ST-100P-12

## 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.



**33 CELL**  
MONOCRYSTALLINE MODULE

**100W**  
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



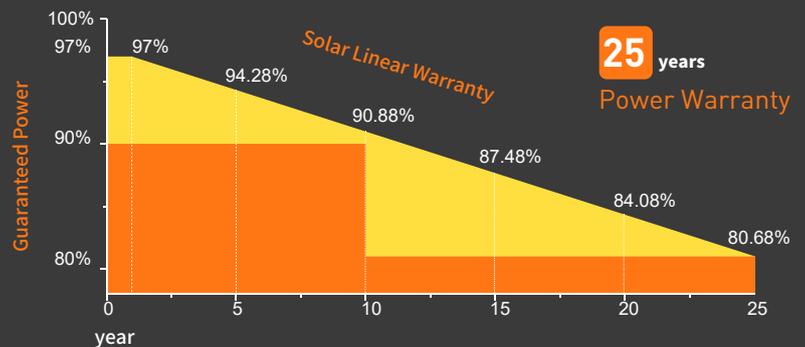
### Withstands Harsh Environment

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



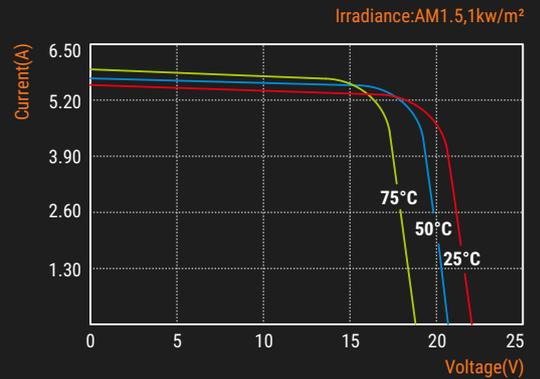
Positive mechanical load	>5400Pa
Positive Power Tolerance	0~+5W
Warranty Information	2 Year Product Workmanship

## Electrical Characteristics

Product code	100P3301A
Maximum power (Pmax)	100W
Voltage at Pmax (Vmp)	19.11V
Current at Pmax (Imp)	5.24A
Open-circuit voltage (Voc)	22.04V
Short-circuit current (Isc)	5.53A
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 <sup>2</sup> wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

\*STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

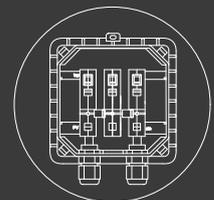
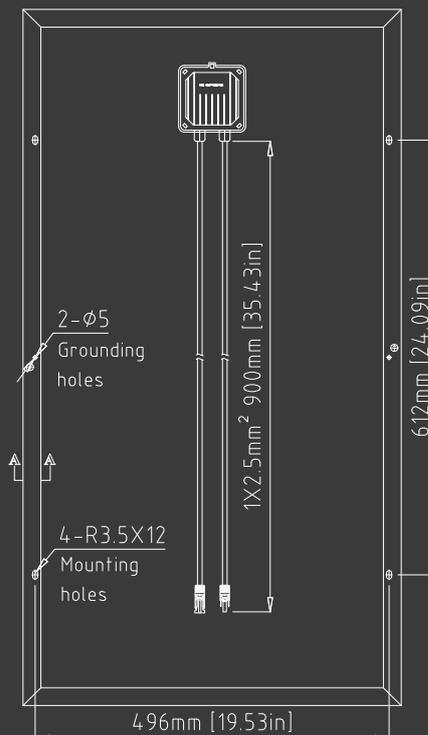
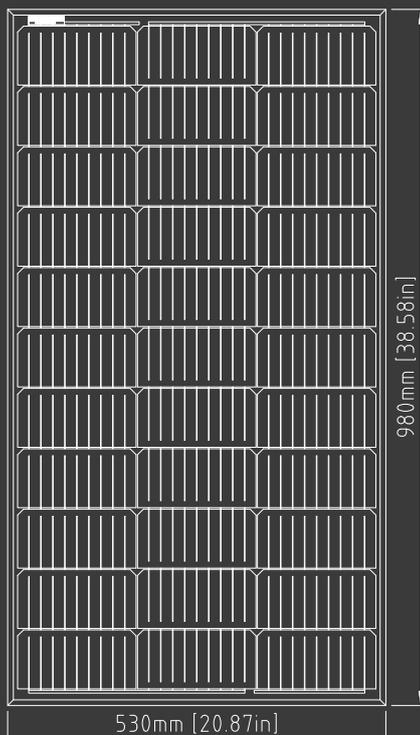
\*NOCT: Nominal operating cell temperature (the data is only for reference)



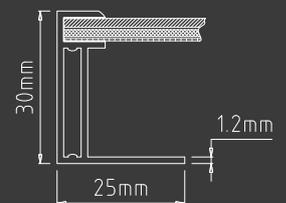
I-V Curves

## Specifications

Cells	Monocrystalline silicon solar cell
No. of cells and connections	33(3x11)
Module dimension	980mm[38.58in.]x530mm[20.87in.]x30mm[1.18in.]
Weight	6.03kg[13.30lbs]
Packing information(Carton)	1030mm[40.55in.]x580mm[22.83in.]x80mm[3.15in.]/(1pc/ctn)



Junction Box  
Top View (Lid Open)



Section A-A

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