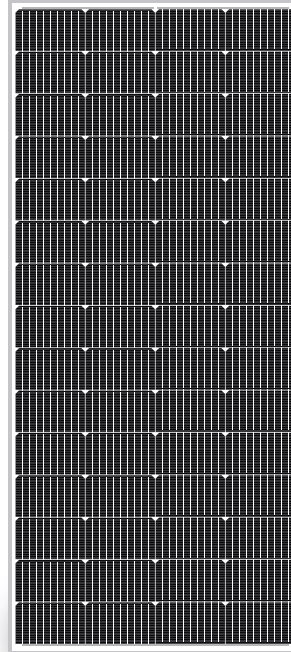




# ST-200P-12

## 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.



**60 CELL**  
MONOCRYSTALLINE MODULE

**200W**  
POWER OUTPUT

**20.00%**  
MODULE EFFICIENCY

**5%**  
POSITIVE TOLERANCE



### High Efficiency

Module Efficiency improved through advanced cell technology and manufacturing capabilities



### High PID Resistance

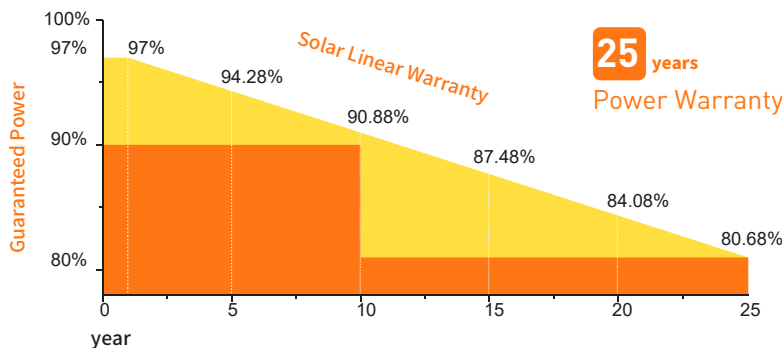
Advanced cell technology and qualified materials lead to high resistance to PID



### Withstands Harsh Environment

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

## Performance Warranty



**2** years  
Product Warranty

**25** years  
Power Warranty

Wind Load/Snow Load:  
2400pa/5400pa

Positive Power Tolerance:  
0~+5W

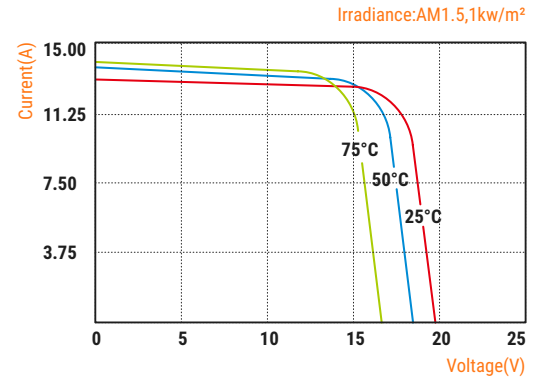
Warranty Information:  
2 Year Product Workmanship



**Electrical Characteristics**

Product code	200P3001A
Maximum power (Pmax)	200W
Voltage at Pmax (Vmp)	16.86V
Current at Pmax (Imp)	11.87A
Open-circuit voltage (Voc)	19.60V
Short-circuit current (Isc)	12.51A
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%

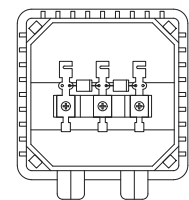
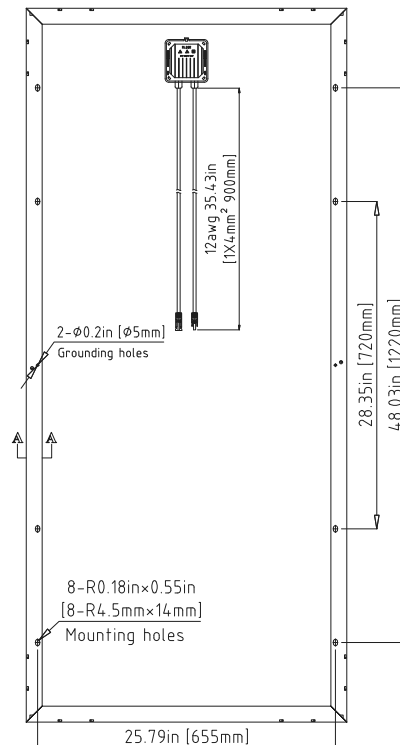
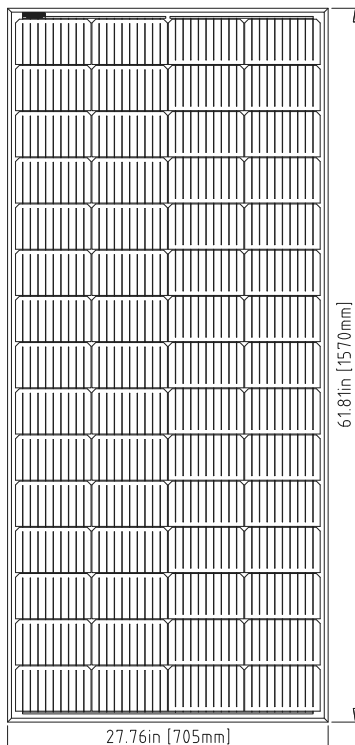
\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C  
\*NOCT: Nominal operating cell temperature (the data is only for reference)



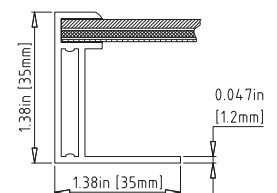
**I-V Curves (STC)**

**Specifications**

Cells	Monocrystalline silicon solar cell
No. of cells and connections	60(4X15)
Module dimension	61.81in.x27.76in.x1.38in.[1570mmx705mmx35mm]
Weight	26.84lbs[12.18kg]
Packing information(Carton)	63.58in.x29.53in.x2.76in.[1615mmx750mmx70mm]/(1pc/ctn)



**Junction Box  
Top View (Lid Open)**



**Section A-A**