



PTP
ENERGY SOLUTIONS

PT6P72-290W-310W

Polycrystalline Photovoltaic Module



14.94-15.97%
MAXIMUM EFFICIENCY

290-310W
POWER OUTPUT RANGE

72 CELL
POLYCRYSTALLINE MODULE

0~+5W
POSITIVE OUTPUT GUARANTEE



Excellent low light performance on cloudy days, mornings and evenings

- Anti-reflective coating



Ideal for large scale installations

- High power footprint reduces installation time and BOS costs



Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35mm hail stone at 97 km/hr



IP68 connectors enhance the reliability of the PV system



Blowing sand resistance certification



Anti-PID



Fire test certification



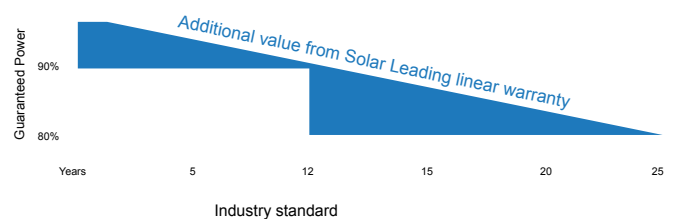
Ammonia corrosion certification



Salt mist corrosion certification

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 25 Year Linear Power Warranty



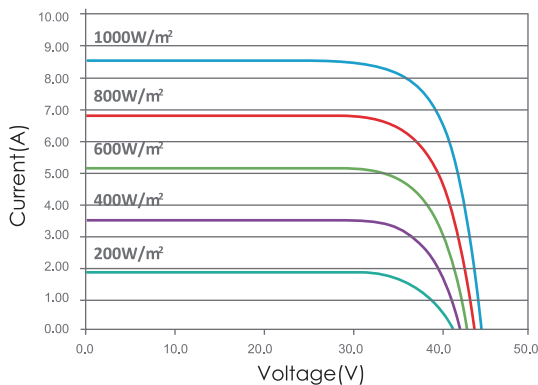
Electrical Characteristics

Characteristics	Unit	PT6P72-290W	PT6P72-295W	PT6P72-300W	PT6P72-310W
Maximum Power (Pmax)	W	290	295	300	310
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Maximum Power Voltage (Vmp)	v	36.2	36.4	36.5	36.7
Maximum Power Current (Imp)	A	8.01	8.11	8.21	8.31
Open Circuit Voltage (Voc)	V	44.7	44.9	45.1	45.3
Short Circuit Current (Isc)	A	8.54	8.61	8.67	8.74
Module Efficiency (ηm)	%	14.94	15.20	15.46	15.97
Dimension of module	mm	1956×992×40mm (77.0×39.1×1.6inch)			
Pmax Temperature Coefficient	%/C	-0.42			
Voc Temperature Coefficient	%/C	-0.30			
Isc Temperature Coefficient	%/C	+0.05			
Maximum System Voltage	VDC	1000(TUV);600(UL)			
Maximum Series Fuse Rating	A	15			
Operating Temperature	°C	-40 ~ +85			
NOCT	°C	45±2			

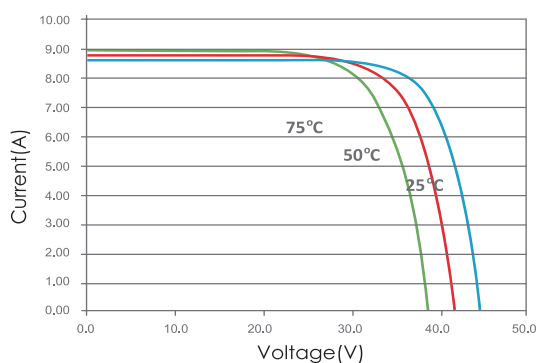
STC:1000W/m2. AM1.5 and 25 °C cell temperature: NOCT : Nominal Operating Cell Temperature

I-V Curves

I-V Curves of PV Module PT6P72-290W
(Cell Temp. 25 °C)

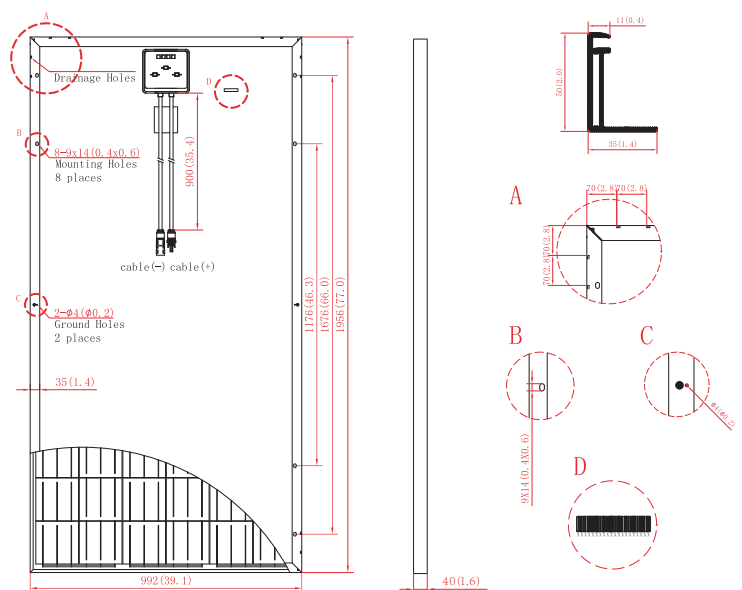


I-V Curves of PV Module PT6P72-290W
at Different Cell Temp. (AM1.5, 1000W/m²)



Physical Characteristics

Unit:mm(inch)



Cell Type	156mm x 156mm, Polycrystalline Silicon
No. of Cells	72pcs (6x12)
Dimension	1956x992x40mm (77.0x39.1x 1.6inch)
Weight	24.0kg (52.9lbs.)
Cable Length	900mm (35.4inch)
Bypass Diodes	6/6pcs
Junction Box	IP65/IP68
Front Glass	4.0mm (0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

* Specifications are subjected to change without further notice