



PT5M72-190W-210W

Monocrystalline Photovoltaic Module



14.88-16.45%
MAXIMUM EFFICIENCY

190-210W
POWER OUTPUT RANGE

72 CELL
MONOCRYSTALLINE MODULE

0~+5W
POSITIVE OUTPUT GUARANTEE



Excellent low light performance on cloudy days, mornings and evenings

- Anti-reflective coating



Great aesthetics for residential applications

- High efficiency, lower weight, Easy handling and optimum utilization of roof space



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



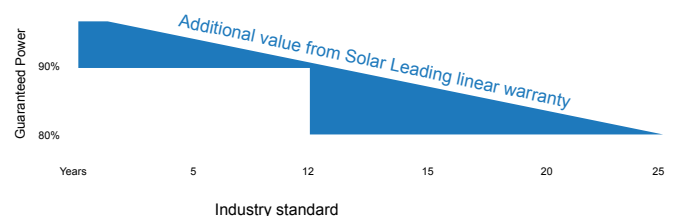
Ammonia corrosion certification



Salt mist corrosion certification

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 25 Year Linear Power Warranty



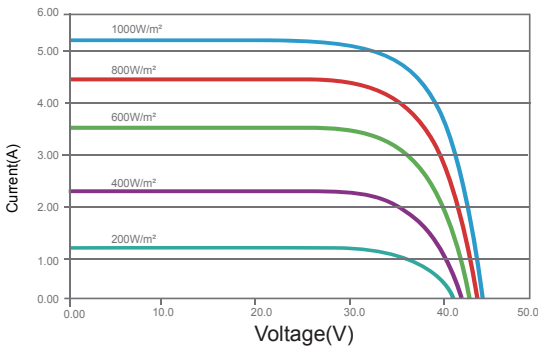
Electrical Characteristics

Characteristics	Unit	PT5M72-190W	PT5M72-195W	PT5M72-200W	PT5M2-205W	PT5M72-210W
Maximum Power (Pmax)	W	190	195	200	205	210
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Maximum Power Voltage (Vmp)	V	36.5	36.6	37.0	37.3	37.7
Maximum Power Current (Imp)	A	5.20	5.33	5.40	5.49	5.57
Open Circuit Voltage (Voc)	V	45.1	45.2	45.7	45.9	46.1
Short Circuit Current (Isc)	A	5.66	5.71	5.78	5.81	5.88
Module Efficiency (ηm)	%	14.88	15.27	15.67	16.06	16.45
Dimension of module	mm	1580×808×35mm (62.6×31.8×1.4inch)				
Pmax Temperature Coefficient	%/C	-0.44				
Voc Temperature Coefficient	%/C	-0.32				
Isc Temperature Coefficient	%/C	+0.04				
Maximum System Voltage	VDC	1000(TUV);600(UL)				
Maximum Series Fuse Rating	A	10				
Operating Temperature	°C	-40 ~ +85				
NOCT	°C	45±2				

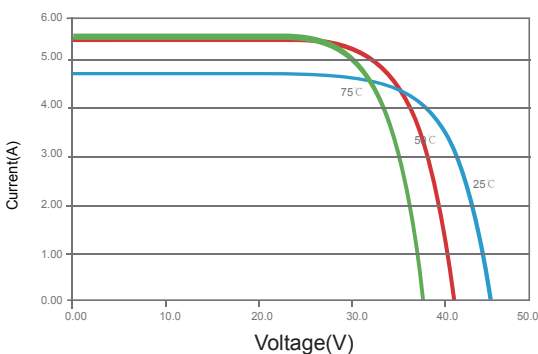
STC:1000W/m2.AM1.5 and 25 °C cell temperature: NOCT : Nominal Operating Cell Temperature

I-V Curves

I-V Curves of PV Module PT5M72-190W (Cell Temp. 25 °C)

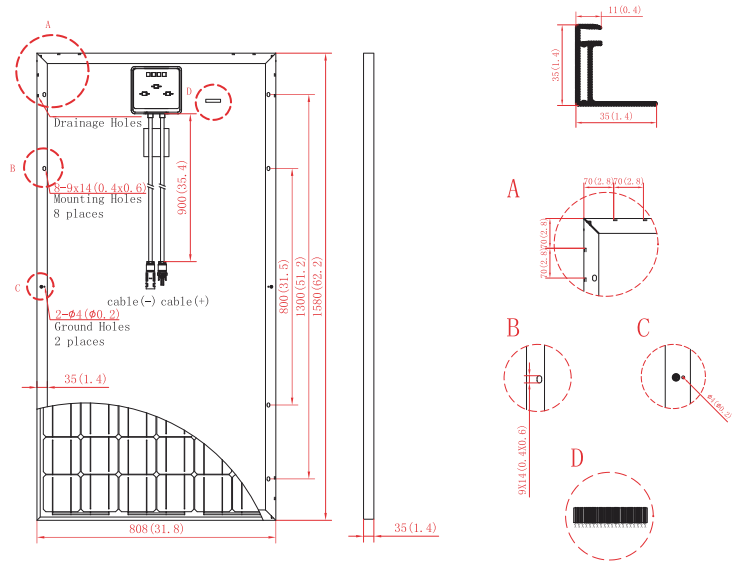


I-V Curves of PV Module PT5M72-190W at Different Cell Temp. (AM1.5, 1000W/m²)



Physical Characteristics

Unit:mm(inch)



Cell Type	125mm x 125mm, Monocrystalline Silicon
No. of Cells	72pcs (6x12)
Dimension	1580x808x35mm (62.6x31.8x1.4inch)
Weight	16.0kg (35.3lbs.)
Cable Length	900mm (35.4inch)
Bypass Diodes	3pcs
Junction Box	IP65/IP68
Front Glass	3.2mm (0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

* Specifications are subjected to change without further notice