



**GRADE**

**PV MODULE  
POLYCRYSTALLINE**

**POLYCRYSTALLINE | 50Wp - 300Wp**

Polycrystalline panels are made up from the silicon offcuts, moulded to form blocks and create a cell made up of several bits of pure crystal and it is identifiable by its signature light or dark blue colour, but not uniformly some patches are lighter than others. The differences in appearance come about as a result of the manufacturing process.

However, this mis-alignment can help in some circumstances, because the cells work better from light at all angles, in low light, etc.



**50W - 300W**

Maximum Power

**17.40V - 36.50V**

Maximum Power Voltage

**27.5A - 8.22A**

Maximum Power Current

**21.90V - 45.1V**

Open Circuit Voltage

**2.95A - 8.67A**

Short Circuit Current



**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



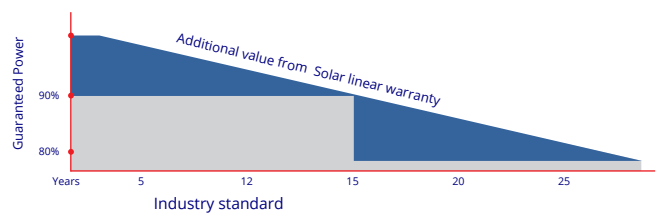
**IP68 connectors enhance the reliability of the PV system**



**Blowing sand resistance certification**

**LINEAR PERFORMANCE WARRANTY**

5 Year Product Warranty | 20 Year Linear Power Warranty



**Performance**

High output and efficiency even under low light conditions



**Versatility**

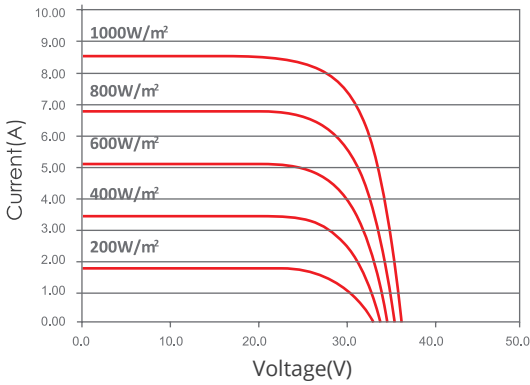
Salt mist corrosion tested, perfect for harsh climatic conditions

Characteristics	Unit	50W	100W	135W	150W	200W	250W	300W
Maximum Power (Pmax)	W	50	100	135	150	200	250	300
Power Tolerance	%	+3	+3	+3	+3	+3	+3	+3
Maximum Power Voltage (Vmp)	V	17.60	17.60	17.40	17.60	35.20	30.50	36.50
Maximum Power Current (Imp)	A	2.85	5.69	7.76	8.53	5.69	8.21	8.22
Open Circuit Voltage (Voc)	V	22.50	22.60	21.90	22.6	45.60	37.60	45.10
Short Circuit Current (Isc)	A	3.04	6.09	8.00	9.01	6.02	8.67	8.67
Weight	Kg	4.5	7.7	12	11	15.3	19	24
Dimension of module	mm	700x510x30	1020x670x30	1480x670x30	1470x670x30	1320x992x40	1640x992x40	1956x992x40
Pmax Temperature Coefficient	%/C				-0.44			
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			
<b>NOCT</b>	C				45±2			

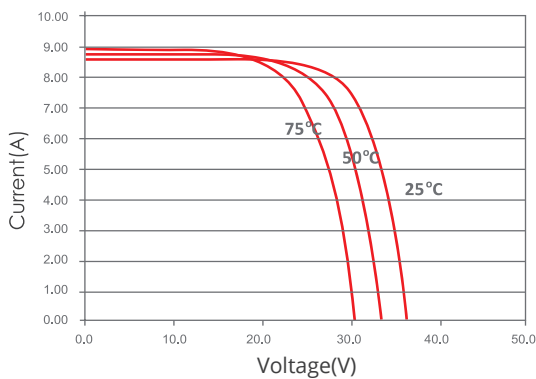
STC:1000W/m2.AM1.5 and 25 °C cell temperature: NOCT : Nominal Operating Cell Temperature

### I-V Curves

I-V Curves of PV Module 250 Wp  
 (Cell Temp. 25 °C)



I-V Curves of PV Module 250 Wp  
 at Different Cell Temp. (AM1.5, 1000W/m²)



### Physical Characteristics

Unit:mm(inch)

