

POLYCRYSTALLINE SOLAR PANEL

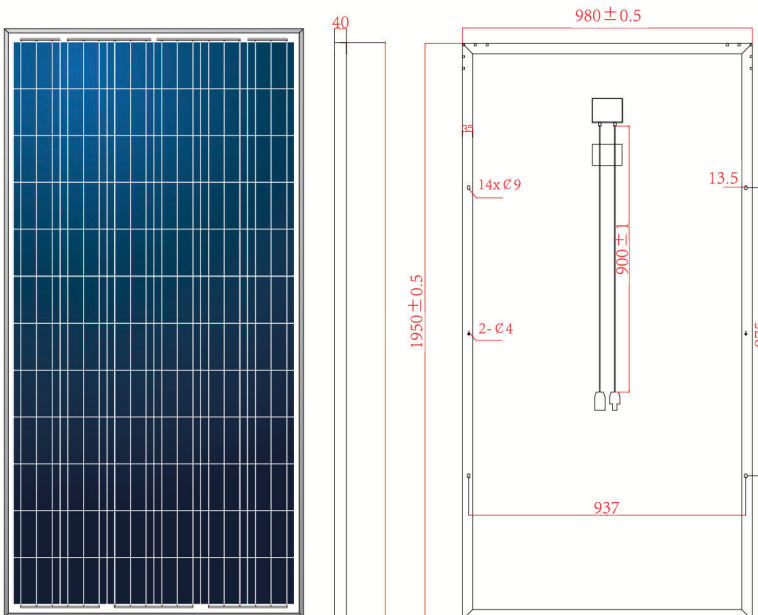
290W/300W/310W/315W/320W

MECHANICAL PARAMETERS

·Cell (mm)	Poly 156*156
·Number of Cells	72 (6X12)
·Output Cables	4mm ² , 900mm length
·Connectors	MC4 Compatible
·Junction Box	IP65
·Dimension	1950*980*40mm
·Weight	25Kg

WORKING CONDITIONS

·Max System Voltage	1000VDC
·Working Temperature	-40°C to +85°C
·Maximum Series Fuse	15A
·Max Wind Load	2400Pa
·Max Snow Load	5400Pa
·NOCT	45±2°C
·Application Class	Class A



ELECTRICAL PARAMETERS

	290W	300W	310W	315W	320W
·Peak Power at STC (Pmax/W)	290W	300W	310W	315W	320W
·Maximum Power Voltage(Vmp/V)	36.1	36.19	36.68	36.98	37.1
·Maximum Power Current(Imp/A)	8.04	8.29	8.46	8.52	8.63
·Open Circuit Voltage(Voc/V)	44.46	44.5	45.38	45.48	45.62
·Short Circuit Current (Isc/A)	8.59	8.88	9.05	9.12	9.23
·Power Tolerance	±3%				
·Maximum System Voltage	1000VDC				
·Temperature Coefficient of Pm	-0.43%/°C				
·Temperature Coefficient of Voc	-0.32%/°C				
·Temperature Coefficient of Isc	+0.052%/°C				
·Standard Test Condition (STC)	1000W/m ² , 1.5 AM spectrum 25 °C cell temperature				

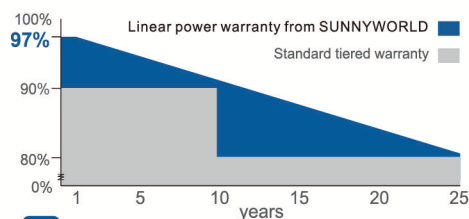
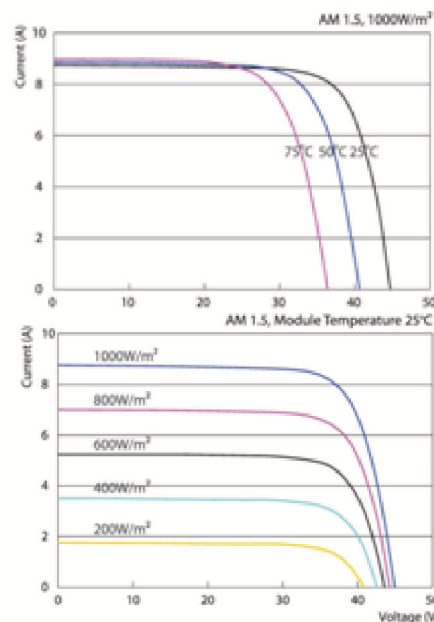
NOCT (Under Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s)

	290W	300W	310W	315W	320W
·Peak Power at NOCT (Pmax/W)	210.4	219.5	224.8	235.2	232.2
·Maximum Power Voltage(Vmp/V)	33.03	33.37	33.56	34.84	33.95
·Maximum Power Current(Imp/A)	6.37	6.58	6.7	6.75	6.84
·Open Circuit Voltage(Voc/V)	40.86	40.89	41.7	41.79	41.93
·Short Circuit Current (Isc/A)	6.86	7.1	7.23	7.29	7.37

PACKING CONFIGURATION

·Container	20GP	40HQ
·Pieces per pallet	26	26
·Pieces per Container	260	572

I-V CURVE(300W)



25 25-year power warranty

*Based on customer's requirements and contract terms

