

## SPECIFICATION OF

## 280W MONOCRYSTALLINE SOLAR MODULE

Maximum power (Wp)	<b>280W</b>
Maximum power voltage (V)	54.2
Maximum power current (A)	5.166
Open circuit voltage (V)	66.08
Short circuit current (A)	5.83
Number of cells (Pcs)	112(8*14)
Size of module (mm)	1830*1064*50
Maximum system voltage (V)	1000
Temperature coefficients of Isc (%)	+0.1/°C
Temperature coefficients of Voc (%)	-0.38/°C
Temperature coefficients of Pm (%)	-0.47/°C
Temperature coefficients of Im (%)	+0.1/°C
Temperature coefficients of Vm (%)	-0.38/°C
NOCT [°C]	48±2
Temperature Range	-40°C ---85°C
Surface Maximum Load Capacity	60m/s (200kg/sq.m)
Weight per piece (kg)	19
Junction Box Type	PPO, black
Connectors and Cables Type	4mm <sup>2</sup>
Length of Cables (mm)	900
Cell Size(mm)	125*125
Cell Efficiency (%)	>16.8%
Watt tolerance (%)	± 5%
Frame (Material, Corners, etc.)	Anodized Aluminum Alloy
Glass	High transmissivity low-iron 3.2 mm toughened glass
Standard Test Conditions	AM1.5 100MW/cm <sup>2</sup> 25°C
Warranty	5 years for the whole product, for the power, 90% for 10 years, 80% for 25 years.
FF (%)	≥73.3%
Loading	20GP: 192 pcs                      40GP: 384 pcs



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