



300W Polycrystalline Solar Panels

ELECTRICAL SPECIFICATIONS

*STC : Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

Model Type	SS-300
Peak power (Pmax)	300
Cell Efficiency	19%
Maximum power voltage (Vmp)	36.24V
Maximum power current (Imp)	8.53A
Open circuit voltage (Voc)	42.50V
Short circuit current (Isc)	9.03A
Power Tolerance	±2%
Maximum system voltage	1500V
Series fuse rating (A)	20
Number of bypass diode	3

THERMAL PARAMETERS

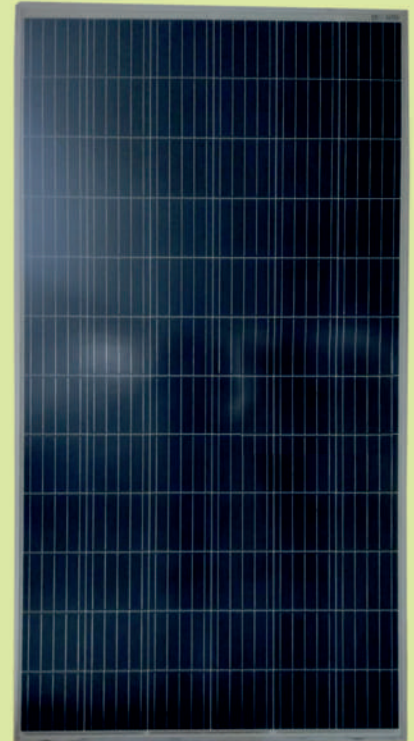
Tc of Open Circuit Voltage	- 0.310% / °C
Tc of Short Circuit Current	0.50% / °C
Tc of Power	- 0.38% / °C
NOCT	45 °C ± 2 °C
Operating Range	40 °C to +85 °C

MECHANICAL CHARACTERISTICS

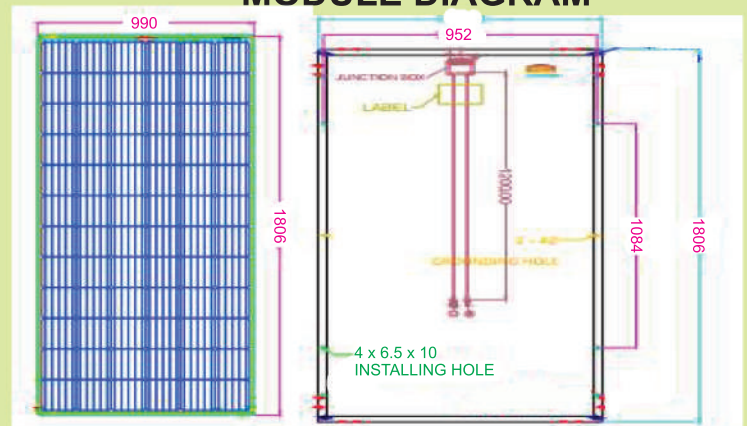
Dimensions:	1806 x 990
Weight:	20 Kg
Solar Cells:	66 cells in series
Construction:	High transmission low iron ARC Coated tempered glass
Frame:	Anodized aluminum Frame
Mechanical Load Test :	5400PA

OUTPUT (OPTIONAL)

Cable:	(4mm ²)
Length:	1200mm
Connector:	MC Plug Tyle IV



MODULE DIAGRAM



ELECTRICAL PERFORMANCE

IV CURVES

