



220W Polycrystalline Solar Panels

ELECTRICAL SPECIFICATIONS

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

Model Type	SS-220
Peak power (Pmax)	220
Cell Efficiency	19%
Maximum power voltage (Vmp)	25.58V
Maximum power current (Imp)	8.60A
Open circuit voltage (Voc)	30.08V
Short circuit current (Isc)	9.03A
Power Tolerance	±2%
Maximum system voltage	1000V
Series fuse rating (A)	20
Number of bypass diode	2/3

THERMAL PARAMETERS

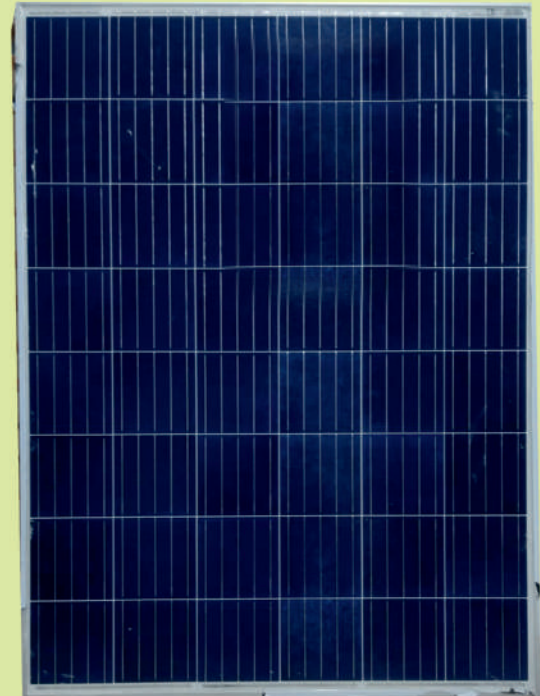
Tc of Open Circuit Voltage	- 0.310% / °C
Tc of Short Circuit Current	0.052% / °C
Tc of Power	- 0.41% / °C
NOCT	45 °C ± 2 °C
Operating Range	40 °C to +85 °C

MECHANICAL CHARACTERISTICS

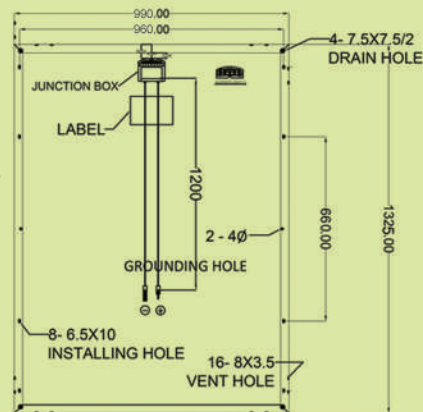
Dimensions:	1325 x 990
Weight:	14.5Kg
Solar Cells:	48 cells in series
Construction:	High transmission low iron ARC Coated tempered glass
Frame:	Anodized aluminum Frame
Mechanical Load Test :	5400PA

OUTPUT (OPTIONAL)

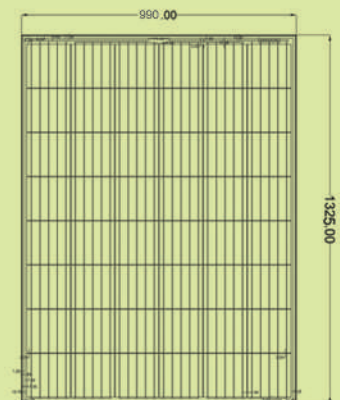
Cable:	(4mm ²)
Length:	1000mm
Connector:	MC Plug Tyle IV



MODULE DIAGRAM



BACK VIEW



FRONT VIEW

ELECTRICAL PERFORMANCE

IV CURVES

