



## 40W Polycrystalline Solar Panels

### ELECTRICAL SPECIFICATIONS

\*STC : Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

Model Type	SS-40
Peak power (Pmax)	40
Cell Efficiency	19%
Maximum power voltage (Vmp)	19.01V
Maximum power current (Imp)	2.11A
Open circuit voltage (Voc)	22.48V
Short circuit current (Isc)	2.22A
Power Tolerance	±2%
Maximum system voltage	1000V
Series fuse rating (A)	15
Number of bypass diode	2

### THERMAL PARAMETERS

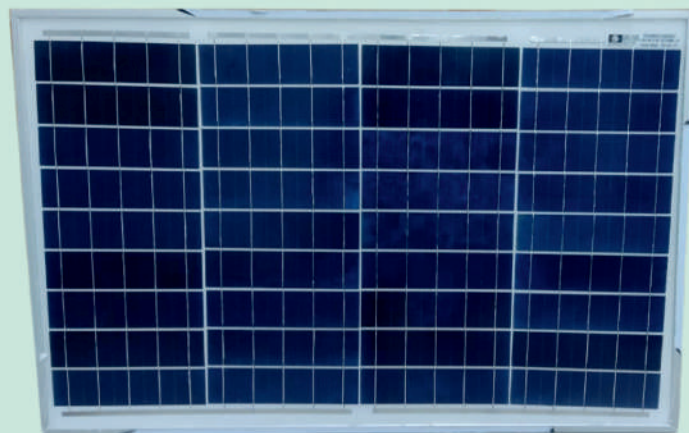
Tc of Open Circuit Voltage	- 0.310% / °C
Tc of Short Circuit Current	0.052% / °C
Tc of Power	- 0.41% / °C
NOCT	45 °C ± 2 °C
Operating Range	40 °C to +85 °C

### MECHANICAL CHARACTERISTICS

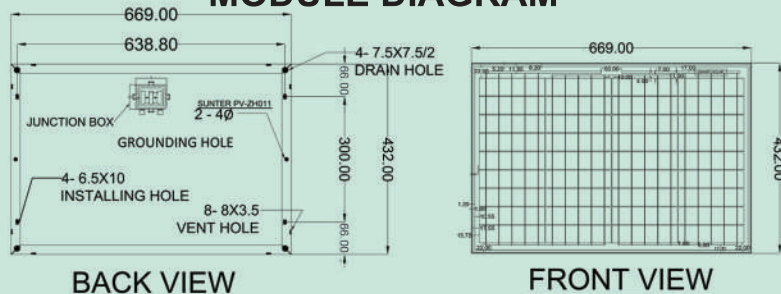
Dimensions:	432 x 669
Weight:	4Kg
Solar Cells:	36 cells in series
Construction:	High transmission low iron tempered glass
Frame:	Anodized aluminum Frame
Mechanical Load Test :	5400PA

### OUTPUT (OPTIONAL)

Cable:	(4mm <sup>2</sup> )
Length:	1000mm
Connector:	MC Plug Tyle IV



### MODULE DIAGRAM



### ELECTRICAL PERFORMANCE

#### IV CURVES

