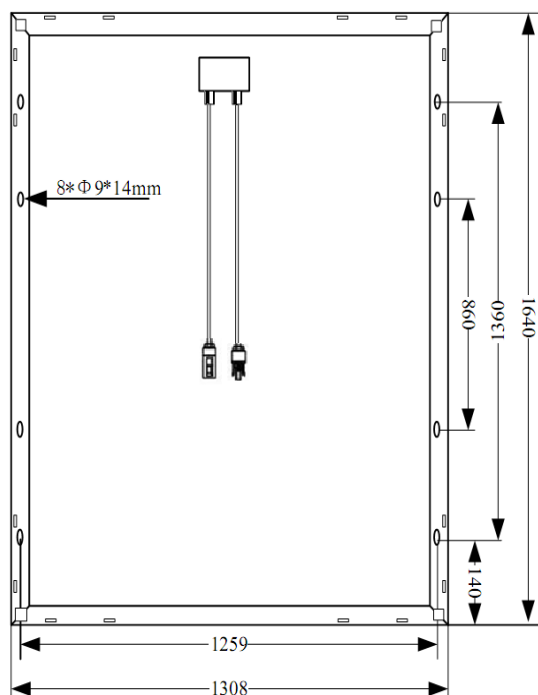




## Specification Of the 280W poly solar panel

Model	SR156P-280W
Max Power at STC(Pmax)	280Wp
Open-Circuit Voltage (Voc)	52.6V
Optimum Operating Voltage (Vmp)	40.96V
Short-Circuit Current (Isc)	6.95A
Optimum Operating Current (Imp )	6.84A
Module Efficiency	13,10%
Solar Cell Efficiency	14,80%
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Series Fuse Rating	15A
Power Tolerance	0 to +3%

STC: Irradiance 1000 W/m2, module temperature 25 °C, AM = 1.5



### Mechanical Characteristics

Solar cell	Polycrystalline 156x156mm (6inches)
No. of cells	80 (8x10)
Dimensions	1640x138x40mm
Weight	26 kg
Front Glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	MC4, IP65

### Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45 ±2°C
Temperature Coefficient of Pmax	-(0.47±0.05)%/°C
Temperature Coefficient of Voc	-(0.34±0.01)%/°C
Temperature Coefficient of Isc	+(0.055±0.01)%/°C

### WARRANTY

Manufacturing	8 years
Power production	90% = 12 years 80% = 25 years