

Poly-Crystalline Solar Module

Technology & Quality

- A complete photovoltaic industry chain
The Beyondsun Group has a complete photovoltaic industry chain including solar cells, solar modules and photovoltaic system applications.
- Top quality
We guarantee our products above 90% power output in 12years and above 80% in 25years, working life over 25years.



TSP-60 255Watt-260Watt-265Watt-270Watt-275Watt-280Watt

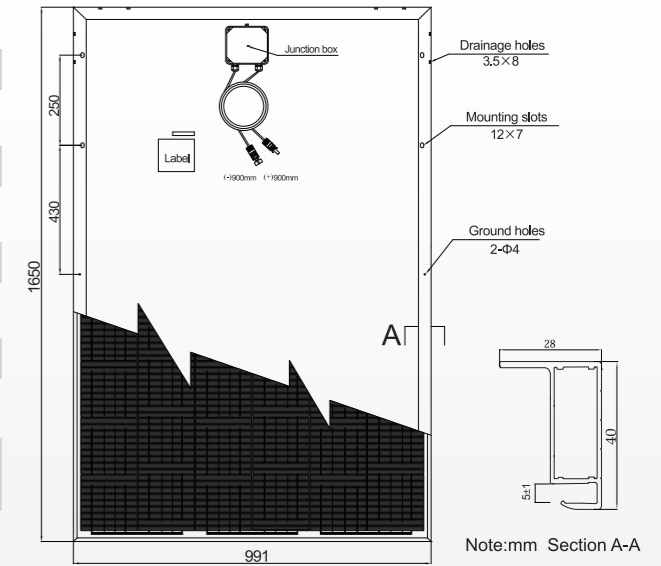
Features

- High-efficiency solar cell ensures high performance of solar module and create more power in peak hours
- Anti-reflecting coating and high-transmission rate glass increase the power output and mechanical strength of solar module
- Torsion and corrosion-resistant anodized frame ensures dependable performance, even through harsh weather conditions
- Lightweight and pre-drilled mounting holes for easy installation
- Water-resistant junction box
- Designed specially to meet our customer demands for residential, commercial and industrial use



Mechanical Characteristics

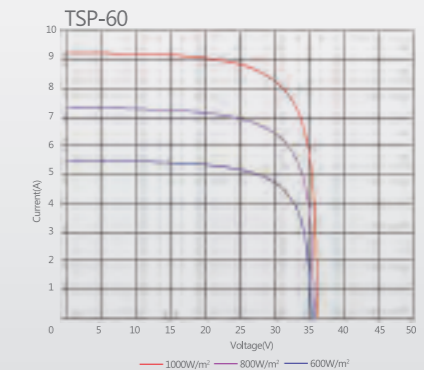
Type of Cell	Poly-Crystalline 156 x 156mm
Cells Array and Number	6 x 10 (60pcs)
Dimensions	1650 x 991 x 40mm
Weight	18.5kg
Front Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relative Humidity	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s Wind
Snow load parameters	5400Pa



Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	46°C ± 2°C
Temperature Coefficient of Pmax	-(0.501±0.01)%/K
Temperature Coefficient of Voc	-(0.332±0.05)%/K
Temperature Coefficient of Isc	(0.056±0.01)%/K
Maximum Series Fuse/current rating	15A

I-V Characteristics Curve



Electrical Characteristics

Characteristics	TSP255	TSP260	TSP265	TSP270	TSP275	TSP280
Open-Circuit Voltage (Voc)	38.59 V	38.82 V	39.07 V	39.21 V	39.38 V	39.58 V
Optimum Operating Voltage (Vmp)	31.18 V	31.52 V	31.82 V	32.07 V	32.17 V	32.26 V
Short-Circuit Current(Isc)	8.72 A	8.83 A	8.92 A	9.02 A	9.15A	9.27 A
Optimum Operating Current (Imp)	8.18 A	8.25 A	8.33 A	8.42 A	8.55A	8.68 A
Maximum Power at STC (Pmax)	255 W	260 W	265 W	270 W	275 W	280 W
Module Efficiency	15.59 %	15.90 %	16.21 %	16.51 %	16.92 %	17.23 %
Operating Temperature	- 40°C to + 85°C					
Maximum System Voltage	1000V DC					
Power Tolerance	0 / +3%					
STC:Irradiance 1000W/m ² , Module temperature 25°C, AM=1.5						

