

Poly-Crystalline Solar Module

Technology & Quality

A complete photovoltaic industry chain

The Beyondsun Group have a complete photovoltaic industry chain including crystalline wafer, solar cells, solar modules and photovoltaic system applications.

Top quality

We guarantee our products above 90% power output in 10years and above 80% in 25years, working life over 25years.



TSP-60

225Watt-230Watt-235Watt-240Watt-245Watt-250Watt

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



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Tunsun Solar

Mechanical Characteristics

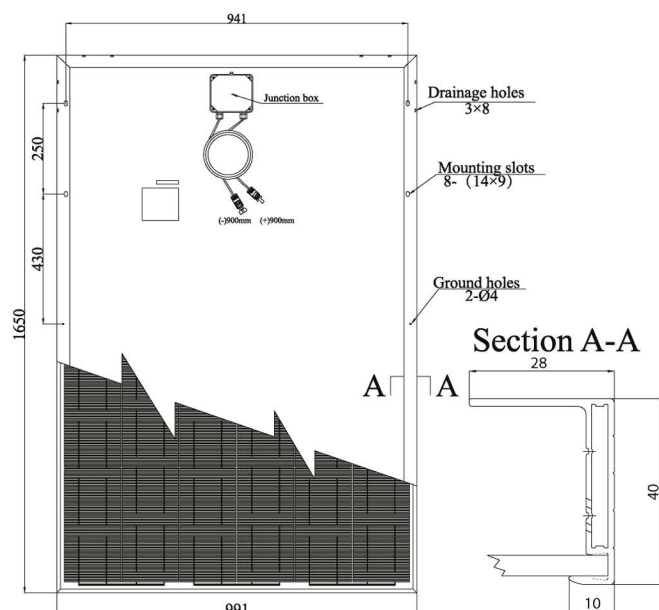
Type of Cell	Poly-Crystalline 156 x 156mm
Cells Array and Number	6 x 10 (60pcs)
Dimensions	1650 x 991 x 40mm
Weight	19.5kg
Front Glas	3.2 mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relativ	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s Wind
Snow load parameters	5400Pa

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	50°C ± 2°C
Temperature Coefficient of Pmax	-(0.410±0.05)%/K
Temperature Coefficient of Voc	-(0.320±0.01)%/K
Temperature Coefficient of Isc	(0.050±0.01)%/K
Maximum Series Fuse/current rating	15A

Electrical Characteristics

Characteristics	TSP225	TSP230	TSP235	TSP240	TSP245	TSP250
Open-Circuit Voltage (Voc)	35.40V	35.40V	35.40V	35.40V	36.00V	36.00V
Optimum Operating Voltage (Vmp)	29.50V	29.50V	29.50V	29.50V	30.00V	30.00V
Short-Circuit Current(Isc)	8.64A	8.73A	8.92A	9.11A	9.15A	9.33A
Optimum Operating Current (Imp)	7.63A	7.80A	7.97A	8.14A	8.17A	8.33A
Maximum Power at STC (Pmax)	225W	230W	235W	240W	245W	250W
Module Efficiency	13.8%	14.1%	14.4%	14.7%	15.0%	15.3%
Operating Temperature	- 40°C to + 85°C					
Maximum System Voltage	1000V DC					
Power Tolerance	0 / +3%					
STC:Irradiance 1000W/m², Module temperature 25°C, AM=1.5						



I-V Characteristics Curve

