

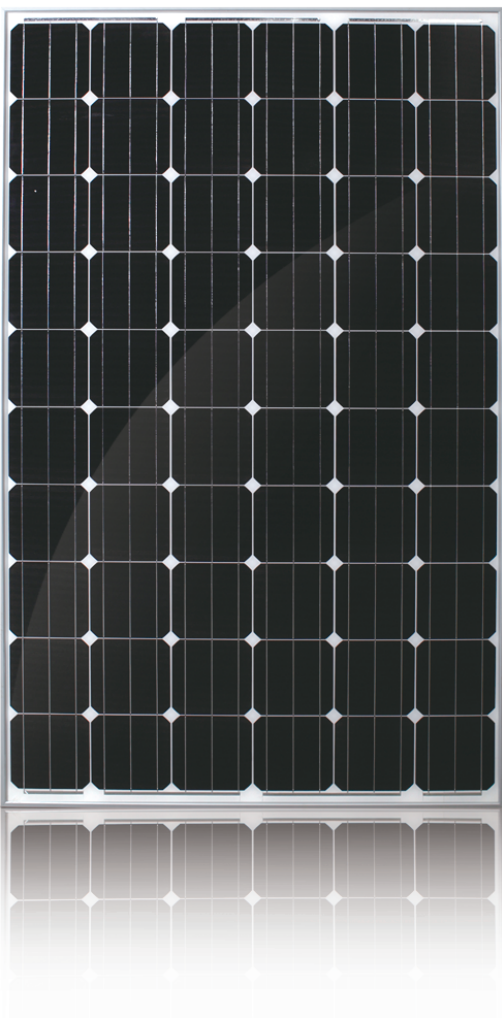
## Technology & Quality

A complete photovoltaic industry chain  
 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.

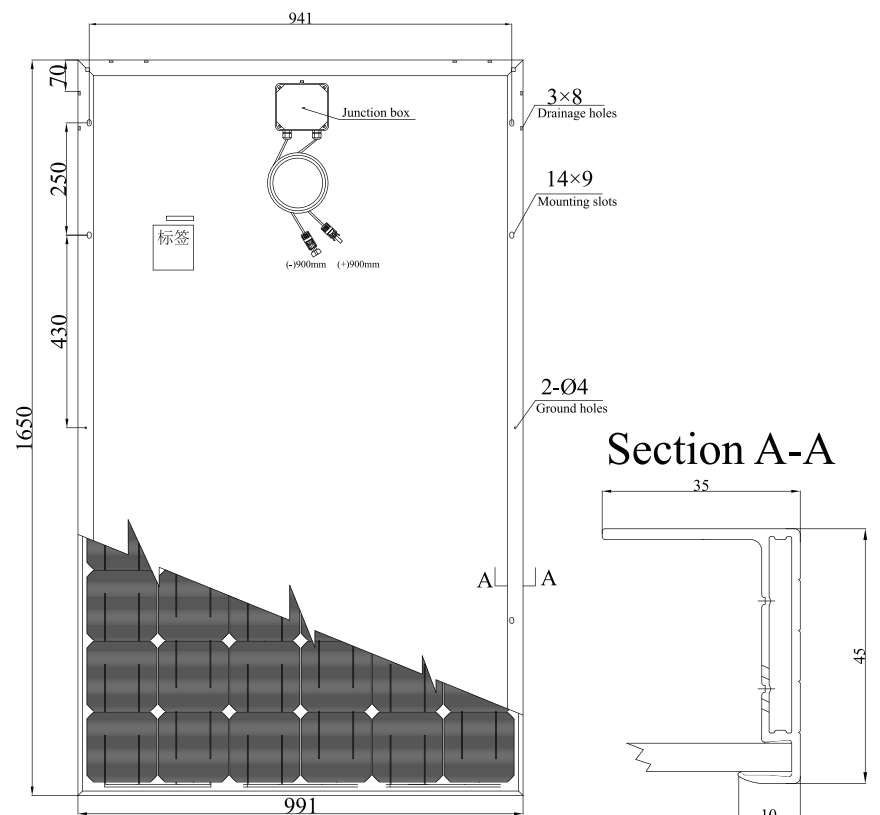
## Features

- 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

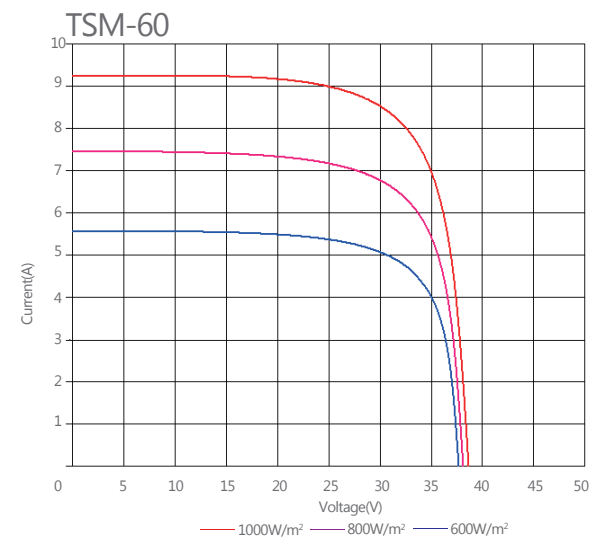
Type of Cell	Mono-Crystalline 156 x 156mm
Cells Array and Number	6 x 10 (60pcs)
Dimensions	1650 x 991 x 50mm
Weight	23kg
Front Glas	4mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relativ	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s Wind
Snow load parameters	5400Pa



## Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	50°C ± 2°C
Temperature Coefficient of Pmax	-(0.443±0.05)%/K
Temperature Coefficient of Voc	-(0.351±0.01)%/K
Temperature Coefficient of Isc	(0.035±0.01)%/K
Maximum Series Fuse/current rating	15A

## I-V Characteristics Curve



## Electrical Characteristics

Characteristics	TSM235	TSM240	TSM245	TSM250	TSM255	TSM260
Open-Circuit Voltage (Voc)	36.85V	36.85V	36.85V	37.50V	37.50V	38.00V
Optimum Operating Voltage (Vmp)	29.50V	29.50V	29.50V	30.00V	30.00V	30.50V
Short-Circuit Current(Isc)	8.93A	9.12A	9.31A	9.33A	9.52A	9.55A
Optimum Operating Current (Imp)	7.97A	8.14A	8.31A	8.33A	8.50A	8.53A
Maximum Power at STC (Pmax)	235W	240W	245W	250W	255W	260W
Module Efficiency	14.4%	14.7%	15.0%	15.3%	15.6%	15.9%

Operating Temperature	- 40°C to + 85°C
Maximum System Voltage	1000V DC
Power Tolerance	0 / +3%

STC:Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5