

STP6-XXX/72

STP6-270/72 STP6-275/72 STP6-280/72
STP6-285/72 STP6-290/72 STP6-295/72
STP6-300/72

Polycrystalline Photovoltaic Module



◆ **Features**

- ◆ High module efficiency
- ◆ Stable power output due to leading process technologies
- ◆ Outstanding electrical performance in high temperatures and low irradiance conditions
- ◆ Easy to install based on innovative engineering design
Resilient to all weather applications

◆ **Applications**

- ◆ On-grid utility systems
- ◆ On-grid commercial systems
- ◆ Off-grid residential systems

◆ **Quality and Warranty**

- ◆ Positive power tolerance up to 5w
- ◆ Broad power range from 5w to 320w
- ◆ High power output in harsh environment
- ◆ Low power degradation in practical application for at least 25 years
- ◆ Easy installation thanks to excellent physical design and light weight
- ◆ Variety of options available including poly, mono, BIPV, black and customized products

STP6-XXX/72

SPECIFICATIONS

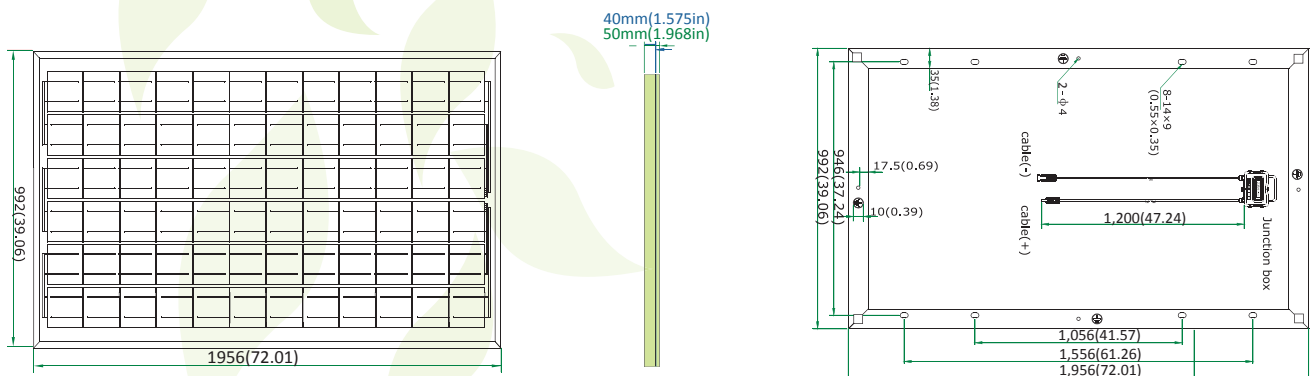
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25 C.

Model type	STP6-300/72	STP6-295/72	STP6-290/72	STP6-285/72	STP6-280/72	STP6-275/72	STP6-270/72
Cell Efficiency	17.84%	17.67%	17.32%	16.89%	16.65%	16.42%	16.13%
Module Efficiency	15.46%	15.20%	14.95%	14.69%	14.43%	14.17%	13.92%
Peak power (Pmax)	300W	295W	290W	285W	280W	275W	270W
Maximum power voltage (Vmp)	36.1V	35.59V	35.46V	35.28V	34.96V	34.95V	34.9V
Maximum power current (Imp)	8.31A	8.29A	8.18A	8.08A	8.01A	7.87A	7.74A
Open circuit voltage (Voc)	45.10V	44.80V	44.80V	44.76V	44.21V	44.12V	44.04V
Short circuit current (Isc)	8.98A	8.80A	8.71A	8.60A	8.58A	8.41A	8.29A
Power Tolerance	±3%	-1 to +3%	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W

Maximum system voltage	DC 1000V
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.488 %/°C
Normal Operating Cell Temperature	45.3 ±2°C

Cell type	PolyCrystalline Silicon, 156mm x 156mm	
Number of cells	72 cells in series	
Weight	23.05 kgs(50.82 lbs)	OR 24.07 kgs(53.08 lbs)
Dimensions	1956 x 992 x 40 mm	OR 1956 x 992 x 50 mm

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS

