

STM6-XXX/72

STM6-280/72 STM6-285/72 STM6-290/72

STM6-295/72 STM6-300/72

Monocrystalline 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



STM6-XXX/72

SPECIFICATIONS

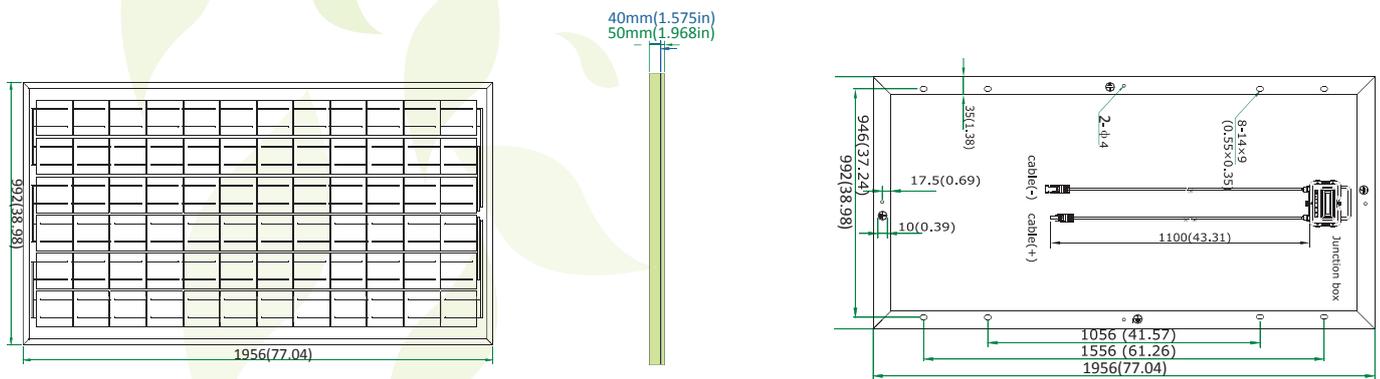
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1,5 Air Mass, and cell temperature of 25 C.

Model type	STM6-305/72	STM6-300/72	STM6-295/72	STM6-290/72	STM6-285/72
Cell Efficiency	18.42%	18.13%	17.84%	17.62%	17.31%
Module Efficiency	15.72%	15.46%	15.20%	14.95%	14.69%
Peak power (Pmax)	305W	300W	295W	290W	285W
Maximum power voltage (Vmp)	36.75V	36.24V	35.78V	35.72V	35.68V
Maximum power current (Imp)	8.30A	8.28A	8.25A	8.12A	7.99A
Open circuit voltage (Voc)	45.12V	44.92V	44.80V	44.50V	44.35V
Short circuit current (Isc)	8.88A	8.81A	8.72A	8.61A	8.52A
Power Tolerance	± 3%	0 to +5W	0 to +5W	0 to +5W	0 to +5W

Maximum system voltage	DC 1000V
Temp. Coeff. of Isc (TK Isc)	0.04 %/°C
Temp. Coeff. of Voc (TK Voc)	- 0.32 %/°C
Temp. Coeff. of Pmax (TK Pmax)	- 0.44 %/°C
Normal Operating Cell Temperature	45.3 ± 2°C

Cell type	MonoCrystalline Silicon, 156mm x 156mm	
Number of cells	72 cells in series	
Weight	24.07 kgs(42.61 lbs)	OR 23.05 kgs(42.61 lbs)
Dimensions	1956 x 992 x 40 mm	OR 1956 x 992 x 50 mm

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS

