

STM6-XXX/60

STM6-230/60 STM6-235/60 STM6-240/60
STM6-245/60

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/60

SPECIFICATIONS

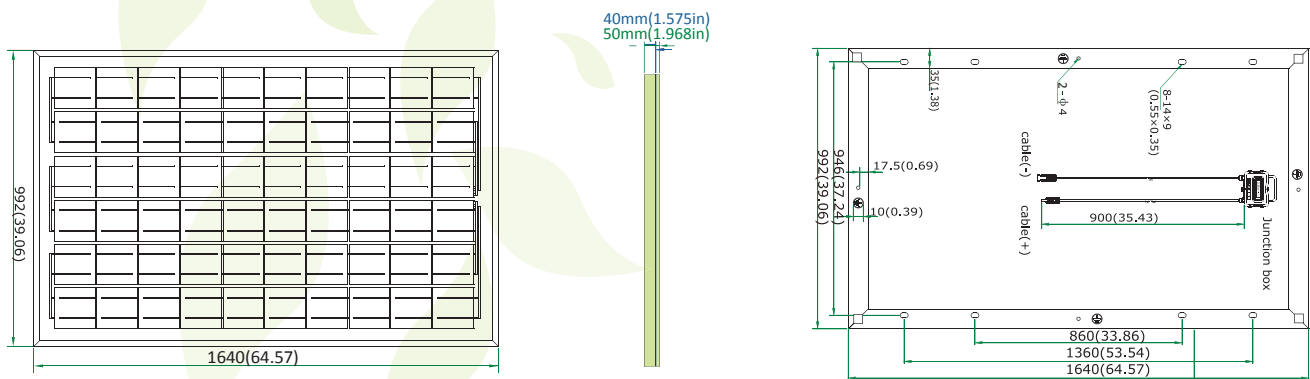
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1,5 Air Mass, and cell temperature of 25 C.

| Model type | STM6-250/60 | STM6-245/60 | STM6-240/60 | STM6-235/60 |
|-----------------------------|-------------|-------------|-------------|-------------|
| Cell Efficiency | 18.23% | 17.92% | 17.52% | 17.23% |
| Module Efficiency | 15.56% | 15.05% | 14.78% | 15.34% |
| Peak power (Pmax) | 250W | 245W | 240W | 235W |
| Maximum power voltage (Vmp) | 29.9V | 29.8V | 29.6V | 29.5V |
| Maximum power current (Imp) | 8.36A | 8.24A | 8.11A | 7.98A |
| Open circuit voltage (Voc) | 37.3V | 37.2V | 37.0V | 36.9V |
| Short circuit current (Isc) | 8.97A | 8.94A | 8.65A | 8.51A |
| Power Tolerance | 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 | 60 cells in series | |
| Weight | 19.3 kgs(42.61 lbs) | OR 21.0 kgs(42.61 lbs) |
| Dimensions | 1640 x 992 x 40 mm | OR 1640 x 992 x 50 mm |

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS

