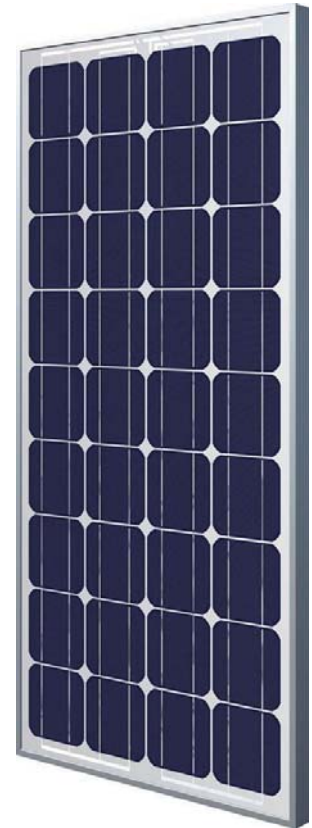


STM5-XXX/36

STM5-75/36 STM5-80/36 STM5-85/36
STM5-90/36 STM5-95/36 STM5-100/36

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

STM5-XXX/36

SPECIFICATIONS

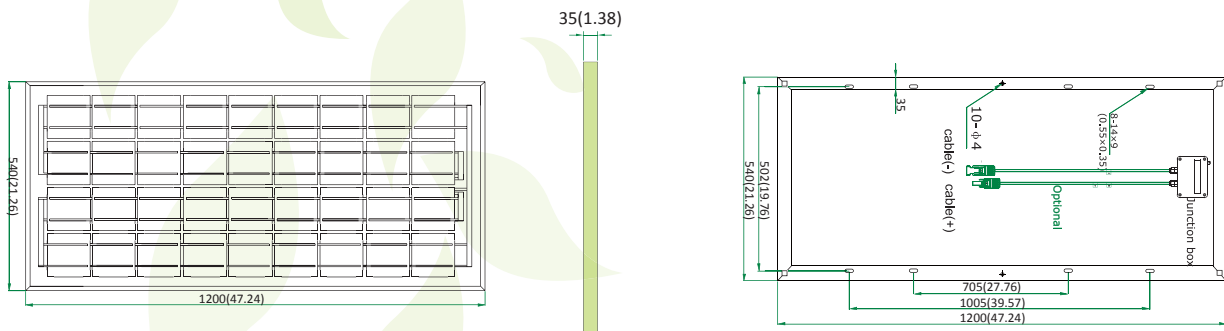
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1,5 Air Mass, and cell temperature of 25 C.

Model type	STM5-100/36	STM5-95/36	STM5-90/36	STM5-85/36	STM5-80/36	STM5-75/36
Cell Efficiency	17.12%	16.78%	16.33%	16.09%	15.25%	14.41%
Module Efficiency	15.87%	14.32%	13.82%	13.44%	12.86%	11.97%
Peak power (Pmax)	100W	95W	90W	85W	80W	75W
Maximum power voltage (Vmp)	17.85V	17.80V	17.60V	17.60V	17.41V	17.25V
Maximum power current (Imp)	8.30A	8.15A	7.95A	7.67A	7.47A	7.28A
Open circuit voltage (Voc)	22.20V	21.96V	21.96V	21.96V	21.75V	21.64V
Short circuit current (Isc)	8.51A	8.50A	8.41A	8.41A	8.10A	8.03A
Power Tolerance	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W

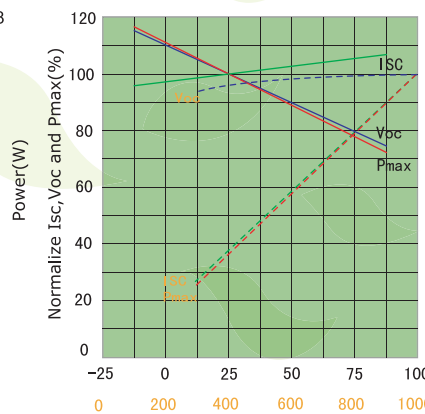
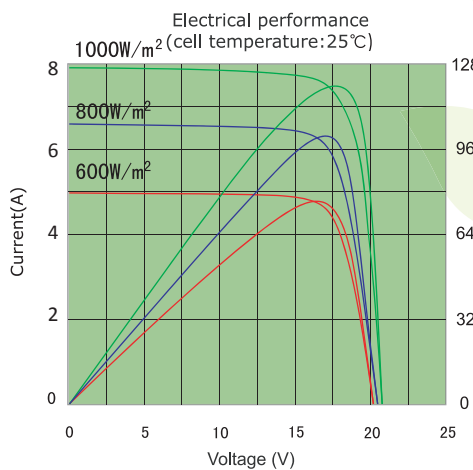
Maximum system voltage	DC 1000V
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.488 %/°C
Normal Operating Cell Temperature	45.3 ± 2°C

Cell type	MonoCrystalline Silicon, 125mm x 125mm
Number of cells	36 cells in series
Weight	12 kg (26.5 lbs)
Dimensions	1200 x 540 x 35 mm

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS



Temperature dependence of Isc, Voc and Pmax

Irradiance dependence of Isc, Voc and Pmax (cell temperature: 25 °C)

