Schutten solar

Import Sun Pv™



STM5-XXX/72

STM5-160/72 STM5-165/72 STM5-170/72
STM5-175/72 STM5-180/72 STM5-185/72
STM5-190/72 STM5-195/72

Monocrystalline Photovoltaic Module

TÜV NORD CE IEC

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

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SPECIFICATIONS

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m^2 solar irradiance, 1.5 Air Mass, and cell temperature of 25 C.

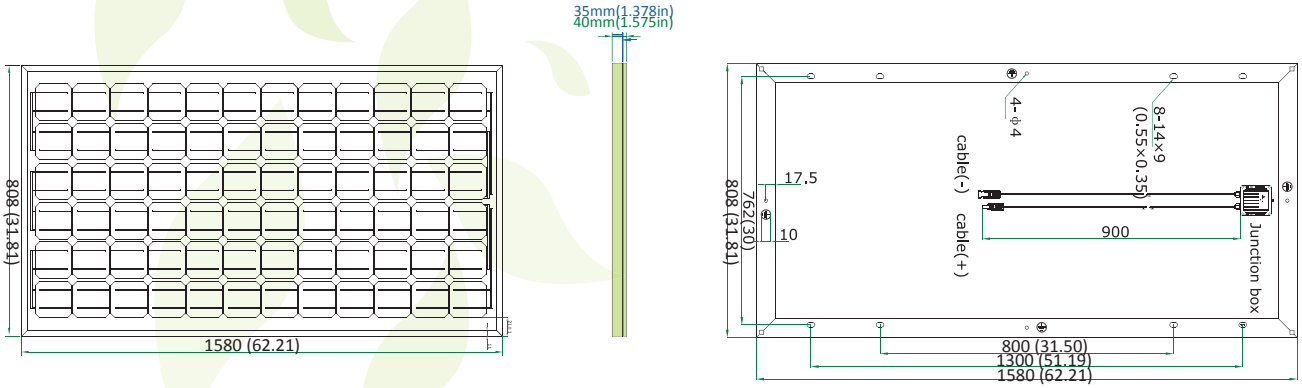
Model type	STM5-195/72	STM5-190/72	STM5-185/72	STM5-180/72	STM5-175/72	STM5-170/72	STM5-165/72
Peak power (Pmax)	195W	190W	185W	180W	175W	170W	165W
Cell Efficiency	17.33%	16.89%	16.44%	16.00%	15.56%	15.11%	14.67%
Module Efficiency	15.27%	14.88%	14.49%	14.10%	13.71%	13.32%	12.92%
Maximum power voltage (Vmp)	36.70V	36.50V	36.20V	36.00V	36.00V	35.90V	35.80V
Maximum power current (Imp)	5.32A	5.21A	5.11A	5.00A	4.86A	4.74A	4.61A
Open circuit voltage (Voc)	45.80V	45.50V	45.30V	45.00V	44.80V	44.50V	44.00V
Short circuit current (Isc)	5.46A	5.30A	5.25A	5.20A	5.17A	5.12A	5.10A
Power Tolerance	0 to +5W	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)	0.06 %/℃
Temp. Coeff. of Voc (TK Voc)	-0.397 %/℃
Temp. Coeff. of Pmax (TK Pmax)	-0.443 %/℃
Normal Operating Cell Temperature	44.4±2℃

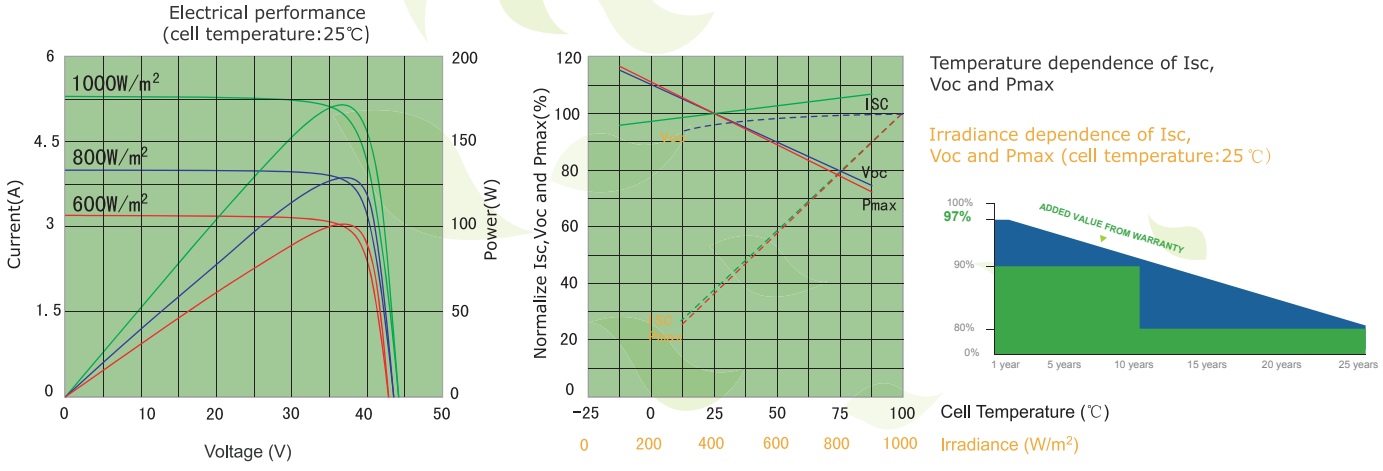
Cell type	MonoCrystalline Silicon, 125mm x 125mm		
Number of cells	72 cells in series		
Weight	15.5 kg (34.2 lbs)	OR	15.5 kg (34.2 lbs)
Dimensions	1580 x 808 x 35 mm	OR	1580 x 808 x 40 mm

PHYSICAL CHARACTERISTICS

Unit:mm (inch)



ELECTRICAL CHARACTERISTICS



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