

Trina TSM-175

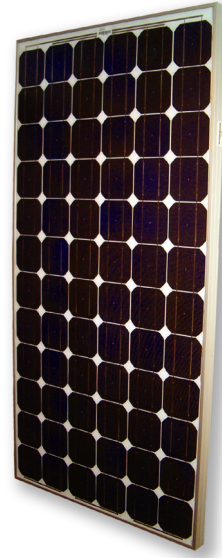
The TSM solar modules are characterized by the first-class processing of high-grade components. 72 mono-crystalline silicon cells (5 inch) in each module ensure excellent performance, even with limited solar irradiation.

The solar cells are embedded in EVA plastic (ethylene-vinyl acetate), which is resistant to UV radiation. The frame consists of a torsionally rigid, corrosion-resistant aluminium alloy, giving the module stability and ensuring it can be mounted in a variety of configurations.

The front panel of the module consists of thermally prestressed solar glass. As well as guaranteeing high light permeability, this glass also protects the solar cells against external weathering influences such as hail, snow and ice. A Tedlar® polyester film on the rear guarantees long service life.

The socket outlet on the rear is fitted with bypass diodes to prevent individual solar cells from overheating (hot-spot effect). Several series connected solar modules can be easily cabled by means of preassembled solar cables and Tyco-Contact® connectors.

The Trina solar modules are certified to applicable European and international requirements of the IEC 61215 standard and satisfy the criteria for protection class II. The performance guarantee is 10 years to 90 % and 25 years to 80 % of reported minimum output. Trina offers a 2 year product guarantee against production and material defects.



Specifications

Rated output (P_{MPP})

Output tolerance

Rated current (I_{MPP})

Rated voltage (U_{MPP})

Short-circuit current (I_{SC})

Open-circuit voltage (U_{OC})

Max. system voltage

Temperature coefficients

I_{SC}
 U_{OC}
 P_{MPP}

Certification

Module dimensions

Weight

Number of cells

GSS5A175

175 Wp

- 3 % | + 3 %

4,85 A

36,20 V

5,30 A

43,90 V

1000 V

+0,03 %/K

-0,35 %/K

-0,43 %/K

IEC 61215, SCII, CE

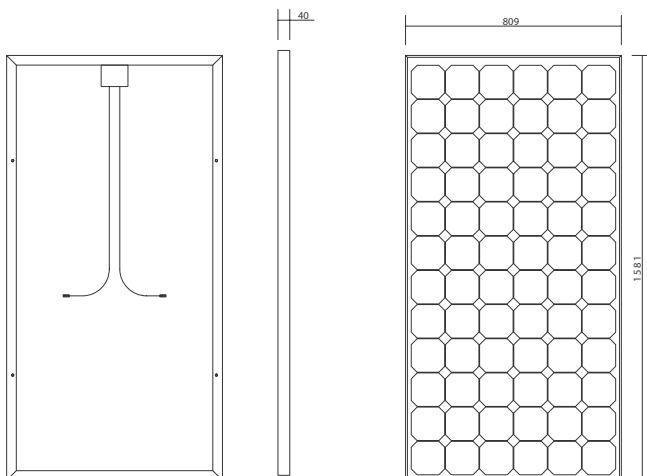
1581 x 809 x 40 mm

16 Kg

72 | 5 inch

Electrical values under standard test conditions (STC): 1000 W/m²; 25 °C ; AM 1,5

Measuring tolerance ± 3 %



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