

Monocrystalline Solar Module

TN-190M

Electrical Specifications

● STC: Irradiance 1000W/m², AM1.5 specTNum, module temperature 25°C

Model	TN-190M
Peak Power (Pmax)	190W
Cell Efficiency	≥23.5%
Maximum Power Voltage (Vmp)	14.2V
Maximum Power Current (Imp)	13.38A
Open Circuit Voltage (Voc)	16.3V
Short Circuit Current (Isc)	14.7A
Power Tolerance	± 3%
Maximum System Voltage	1000V
Series Fuse Rating (A)	15
Number of Bypass Diode	3

Temperature Coefficients

Temperature Coefficient of Isc	+0.06% /°C
Temperature Coefficient of Voc	-0.34% /°C
Temperature Coefficient of Pmax	-0.47% /°C

Mechanical Characteristics

Dimensions:	990 x 920 x 35 mm
Weight:	9.36 kg
Solar Cells:	6 x 11
Construction:	High-transmission low-iron 3.2 mm tempered glass, EVA, TPT
Frame:	Anodized aluminum Alloy

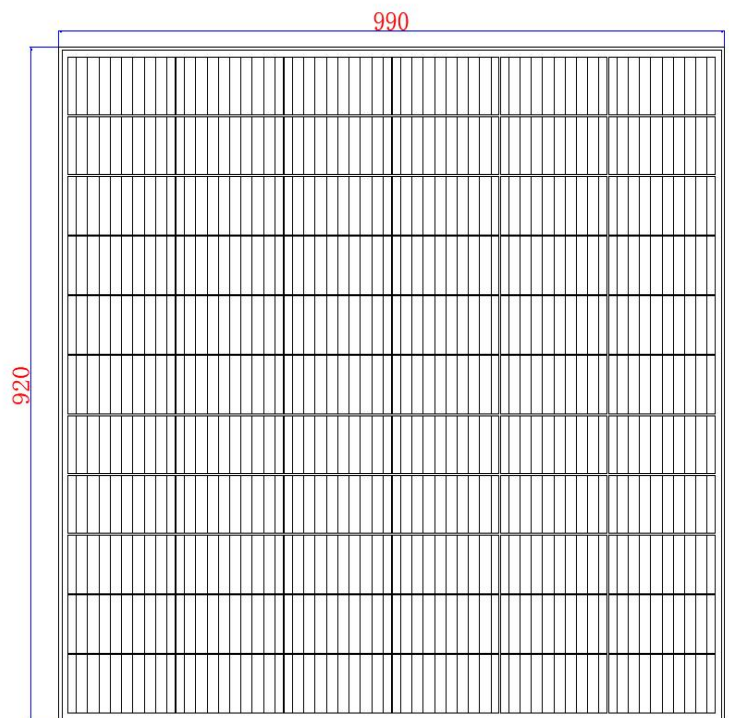
Output

Cable	4mm ²
Lengths	(+ and -) 900mm
Connector	MC4

Module Warranty

25-year limited warranty of 80% power output;
 12-year limited warranty of 90% power output;
 12-year limited warranty of materials and workmanship.

Note: This publication summarizes product warranty and specifications which are subject to change without notice



Module Diagram

