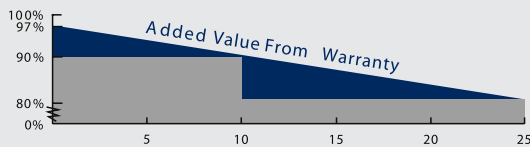


Monocrystalline Solar Module
FE-195M Series-190/195/200/205
Number of Cells: 72 (5") | Dimensions: 1580 x 808 x 35 mm

PRODUCT ADVANTAGE

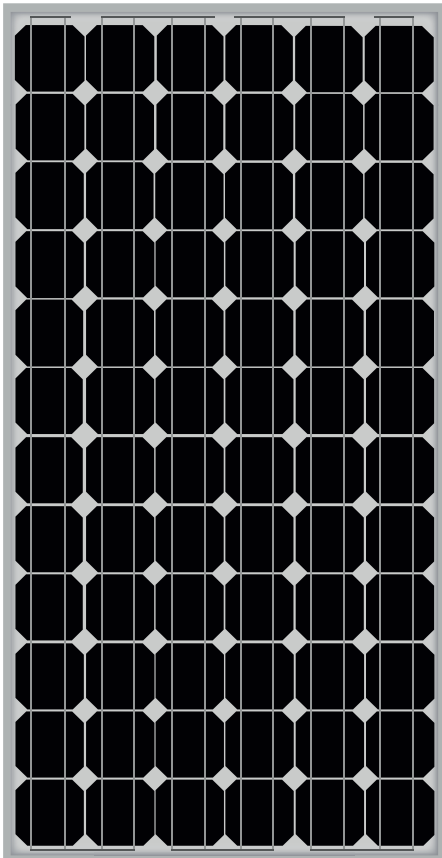
- ◆ High module conversion efficiency: With our cutting-edge manufacturing technology, module conversion efficiency reaches up to 16.1%.
- ◆ Multiple performance tests: Full output power tests, ELED tests and frame seal tests for each panel.
- ◆ Fire Energy Junction box: IP65 rated junction box (approved by TUV and UL) improves module performance.
- ◆ Delivery inspection: Specific inspection report comes with Bill of Lading for the client.
- ◆ Tracking availability: Unique identity code for each panel makes tracking easy.

Linear Power Warranty



25 year linear power output warranty
12 year product warranty on materials and workmanship

**Please refer to Fire Energy Warranty Terms for details.*



PRODUCT APPLICATION

- ◆ On-grid and off-grid residential roof-tops
- ◆ On-grid and off-grid commercial/industrial roof-tops
- ◆ Rural area applications
- ◆ Solar power stations
- ◆ Other on-grid and off-grid applications

QUALITY CERTIFICATIONS

IEC 61215, IEC 61730, MCS, conformity to CE, CERES



ELECTRICAL DATA

	FE-190M	FE-195M	FE-200M	FE-205M
Maximum Power at STC (Pmax)	190 W	195 W	200 W	205 W
Optimum Operating Voltage (Vmp)	36.71V	37.59 V	37.87 V	38 V
Optimum Operating Current (Imp)	5.16 A	5.20 A	5.29 A	5.45 A
Open Circuit Voltage (Voc)	44.06 V	44.46 V	44.86 V	45.8 V
Short Circuit Current (Isc)	5.57 A	5.62 A	5.71 A	5.89 A
Module Efficiency	14.90%	15.30%	15,70%	16,06%
Operating Module Temperature	-40~85°C for 200 cycles			
Maximum System Voltage	TUV DC 1000 V			
Power tolerance	0 ~+ 5 W			

STC: Irradiance 1000 W/m², modules temperature 25°C, AM= 1.5 ;

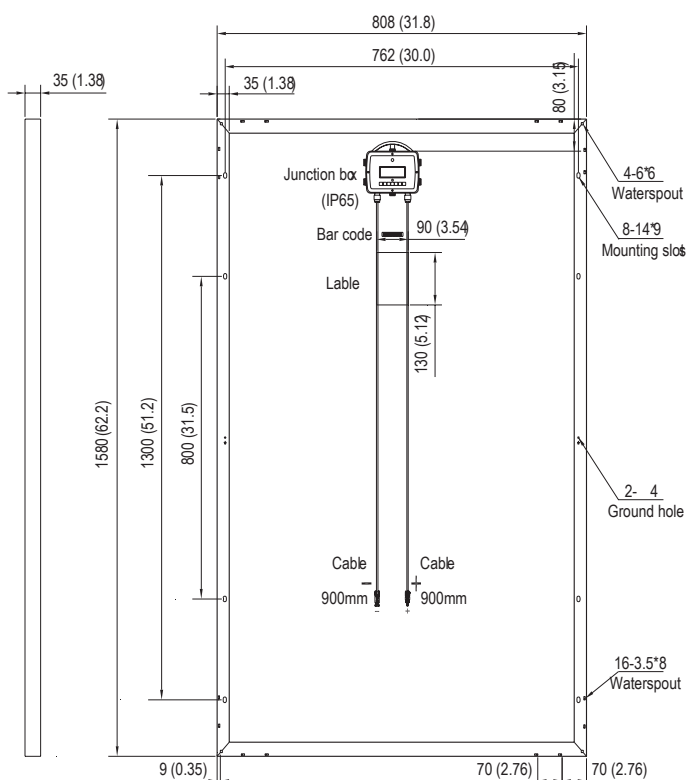
MECHANICAL DATA

Solar cell	Monocrystalline 125 × 125 mm (5 inches)
Number of Cells	72 (6×12)
Dimensions	1580 × 808 × 35 mm
Weight	16.5 kg
Frame	Anodized aluminium alloy
Junction box	IP65 rated
Cable size	4.0 mm ²

TEMPERATURE CHARACTERISTICS

Power temperature coefficient	-0.37%/°C
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Ambient temperature	45 ± 2°C
Surface Maximum Load Capacity	2400 Pa
Max. hailstone impact (mass/velocity)	7.53g / 23 m/s
Maximum wind resistance	130 km/h

Physical Characteristics



PACKING CONFIGURATION

	20 GP	40 GP
Container	20 GP	40 GP
Pieces per pallet	27	27
Pallet per container	14	28
Pieces per container	378	756

Electrical Characteristics

Current-Voltage & Power- Voltage Curves

