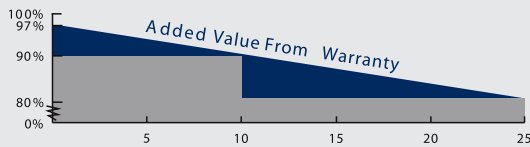


Monocrystalline Solar Module  
FE-250M Black Series-250/255/260/265/270  
Number of Cells: 96 (5") | Dimensions: 1580 x 1062 x 45 mm

## PRODUCT ADVANTAGE

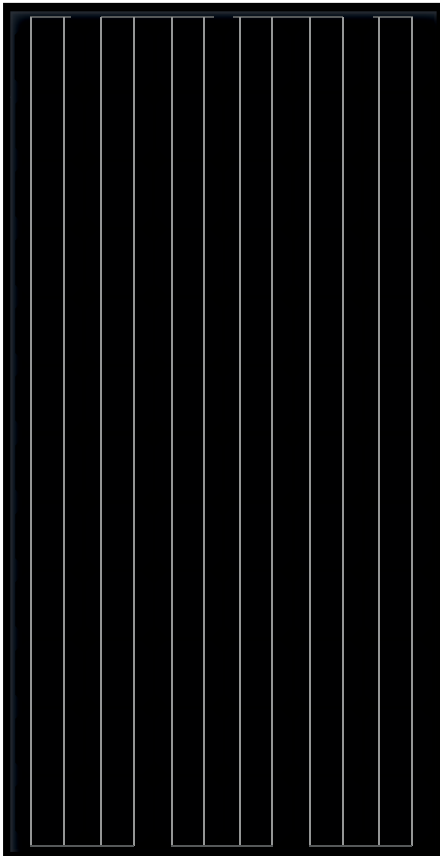
- ◆ High module conversion efficiency: With our cutting-edge manufacturing technology, module conversion efficiency reaches up to 16.1%.
- ◆ Multiple performance tests: Full output power tests, ELED tests and frame seal tests for each panel.
- ◆ Fire Energy Junction box: IP65 rated junction box (approved 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, conformity to CE, CERES



## ELECTRICAL DATA

	FE-250M	FE-255M	FE-260M	FE-265M	FE-270M
Maximum Power at STC (Pmax)	250 W	255 W	260 W	265 W	270 W
Optimum Operating Voltage (Vmp)	50.60 V	50.80 V	51.00 V	51.36 V	51.55 V
Optimum Operating Current (Imp)	4.94 A	5.02 A	5.10 A	5.16 A	5.23 A
Open Circuit Voltage (Voc)	60.50 V	60.70 V	61.00 V	61.43 V	61.74 V
Short Circuit Current (Isc)	5.35 A	5.42 A	5.51 A	5.57 A	5.64 A
Module Efficiency	14,90%	15,30%	15,50%	15,79%	16,09%
Operating Module Temperature	-40~+85°C for 200 cycles				
Maximum System Voltage	1000 V				
Power tolerance	0 ~+ 5 W				

STC: Irradiance 1000 W/m<sup>2</sup>, modules temperature 25°C, AM= 1.5 ;

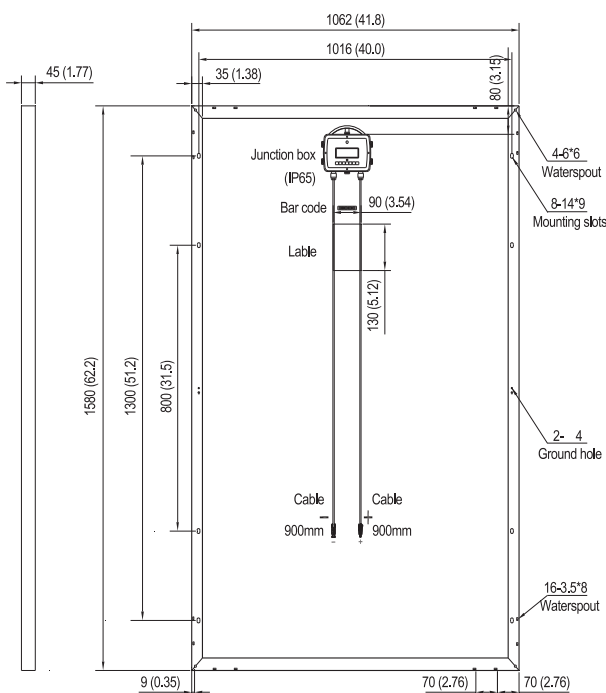
## MECHANICAL DATA

Solar cell	Monocrystalline 125 × 125 mm (5 inches)
Number of Cells	96 (8 × 12)
Dimensions	1580 × 1062 × 45 mm (77.01 × 39.06 × 1.97 inch)
Weight	19,6 Kg
Frame	Anodized aluminium alloy
Junction box	IP65 rated
Cable size	TÜV 1 × 4.0 mm <sup>2</sup> , Length:900 mm

## 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	5400 Pa
Max. hailstone impact (mass/velocity)	7.53g / 23 m/s
Maximum wind resistance	130 km/h

## Physical Characteristics



## PACKING CONFIGURATION

Container	20 GP	40 GP
Pieces per pallet	20	20
Pallet per container	14	28
Pieces per container	280	560

## Electrical Characteristics

### Current-Voltage & Power- Voltage Curves

