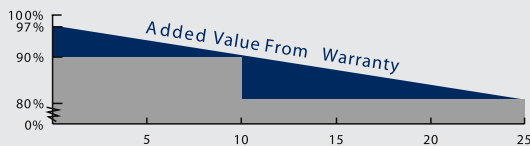


Monocrystalline Solar Module  
FE-240M Series-240/245/250/255  
Number of Cells: 60 (6") | Dimensions: 1646 x 992 x 45 mm

## PRODUCT ADVANTAGE

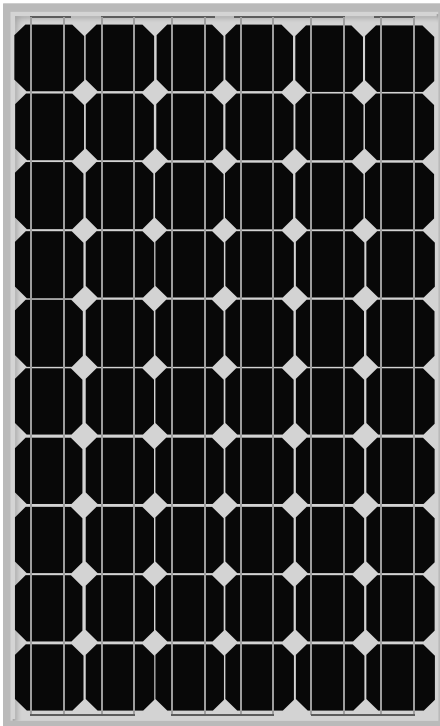
- ◆ High module conversion efficiency: With our cutting-edge manufacturing technology, module conversion efficiency reaches up to 15.6%.
- ◆ Multiple performance tests: Full output power tests, ELED tests and frame seal tests for each panel.
- ◆ Fire Energy Junction box: IP65 rated junction box (approved 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-240M	FE-245M	FE-250M	FE-255M
Maximum Power at STC (Pmax)	240 W	245 W	250 W	255 W
Optimum Operating Voltage (Vmp)	31.09 V	31.46 V	31.69 V	31.72 V
Optimum Operating Current (Imp)	7.72 A	7.79 A	7.89 A	8.03 A
Open Circuit Voltage (Voc)	37.4 V	37.6 V	37.9 V	38.02 V
Short Circuit Current (Isc)	8.34 A	8.42 A	8.53 A	8.6 A
Module Efficiency	14,70%	15,00%	15,30%	15,60%
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/m<sup>2</sup>, modules temperature 25°C, AM= 1.5 ;

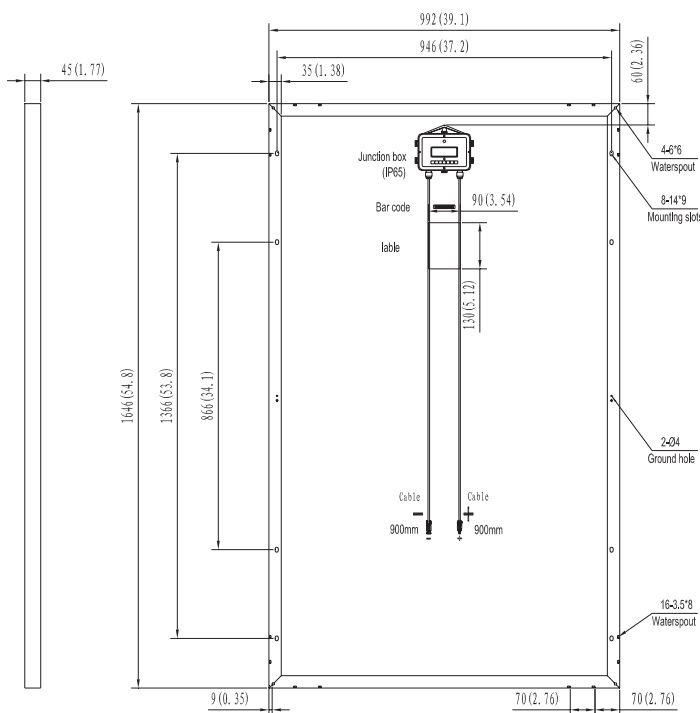
## MECHANICAL DATA

Solar cell	Monocrystalline 156 × 156 mm (6 inches)
Number of Cells	60 (6×10)
Dimensions	1646 × 992 × 45 mm
Weight	19.5 kg
Frame	Anodized aluminium alloy
Junction box	IP65 rated
Cable size	4.0 mm <sup>2</sup>

## TEMPERATURE CHARACTERISTICS

Power temperature coefficient	-0.37%/°C
Current temperature coefficient	0.009%/°C
Voltage temperature coefficient	-0.34%/°C
Ambient temperature	45 ± 2°C
Surface Maximum Load Capacity	2400 Pa
Max. hailstone impact (mass/velocity)	7.53 g/ 23 m/s
Maximum wind resistance	130 km/h

## Physical Characteristics

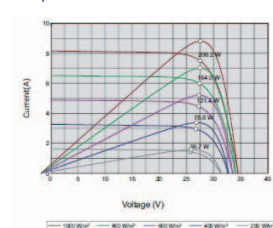


## PACKING CONFIGURATION

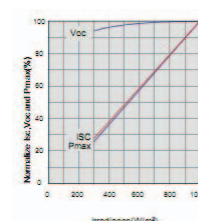
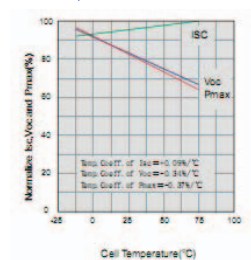
Container	40 GP
Pieces per pallet	21
Pallet per container	28
Pieces per container	588

## Electrical Characteristics

Electrical Performance cell temperature: 25°C



Temperature Dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax cell temperature: 25°C