

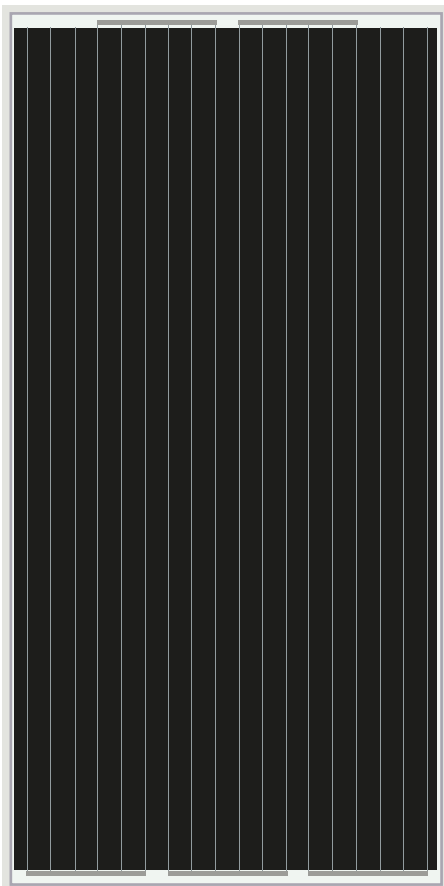
Monocrystalline Solar Module
FE-250M Black Series-250/255/260

PRODUCT ADVANTAGE

- ◆ **High module conversion efficiency:** With our cutting-edge manufacturing technology, module conversion efficiency reaches up to 15.5%.
- ◆ **Output stability:** Keep stable output power despite of ambient temperature changes.
- ◆ **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.

- ◆ **10-year material and workmanship warranty, 25-year module power output warranty:**
10 years / 90%
25 years / 80%
(Based on nominal power)

*Please refer to Fire Energy Group Product Warranty for full 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



ELECTRICAL DATA

	FE-250M	FE-255M	FE-260M
Maximum Power at STC (Pmax)	250 W	255 W	260 W
Optimum Operating Voltage (Vmp)	50.60 V	50.80 V	51.00 V
Optimum Operating Current (Imp)	4.94 A	5.02 A	5.10 A
Open Circuit Voltage (Voc)	60.50 V	60.70 V	61.00 V
Short Circuit Current (Isc)	5.35 A	5.42 A	5.51 A
Module Efficiency	14.9%	15.3%	15.5%
Operating Module Temperature	45 ± 2°C		
Maximum System Voltage	1000 V		
Power tolerance	± 3%		

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

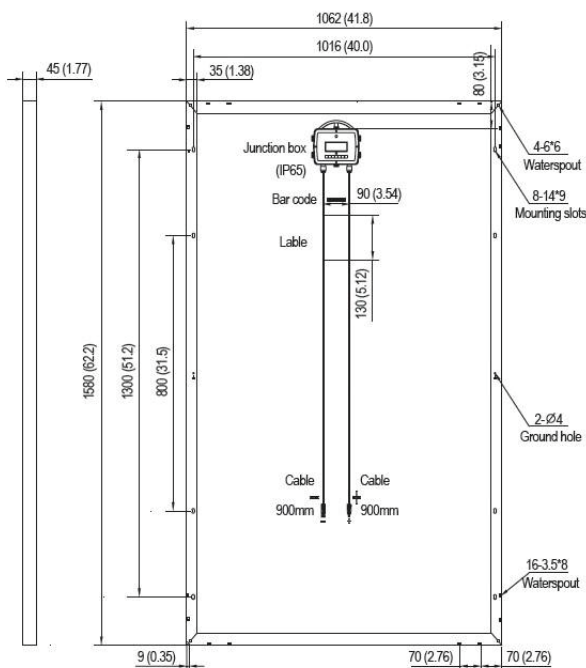
MECHANICAL DATA

Solar cell	Monocrystalline 125 × 125 mm (5 inches)
Cell numbers	96 (8 × 12)
Dimensions	1580 × 1062 × 45 mm (77.01 × 39.06 × 1.97 inch)
Weight	22 kg
Frame	Anodized aluminium alloy
Junction box	IP65 rated
Cable size	TÜV 1 × 4.0 mm ² , 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	-40~+85°C for 200 cycles
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

