



Warranty*

25-year module power output warranty:

10 years / 90%

25 years / 80%

Based on nominal power

10 years material and workmanship warranty

*Please refer to Fire Energy Product Warranty for full details.

Certifications and standards

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

Features

- High module conversion efficiency**
With our cutting-edge manufacturing technology, module conversion efficiency reach up to 14.9%.
- 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.

Electrical Characteristics

STC	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	51.00V
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 1000 W/ m², module temperature 25 °C, AM=1.5;

Mechanical Characteristics

Solar cell	Monocrystalline 125×125 mm (5 inches)
Cell numbers	96 (8×12)
Dimensions	1580×1062×45 mm
Weight	22 kg
Frame	Anodized aluminium alloy
Junction box	IP65 rated
Cable size	4.0 mm ²

Temperature Characteristics

Test Conditions 1000 W/ m ² , AM1.5, 25°C±2°C	
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 / 23m/s
Maximum wind resistance	130 km/h

Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	20	20
Pallet per container	12	28
Pieces per container	240	560

Current-Voltage & Power-Voltage & Power-Voltage Curve

