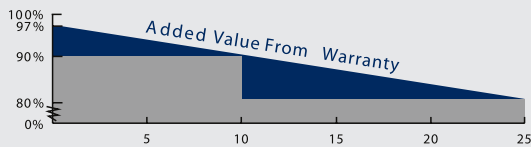


Polycrystalline Solar Module
FE-295P Series-280/285/290/295/300
Number of Cells: 72 (6") | Dimensions: 1956 x 992 x 50 mm

PRODUCT ADVANTAGE

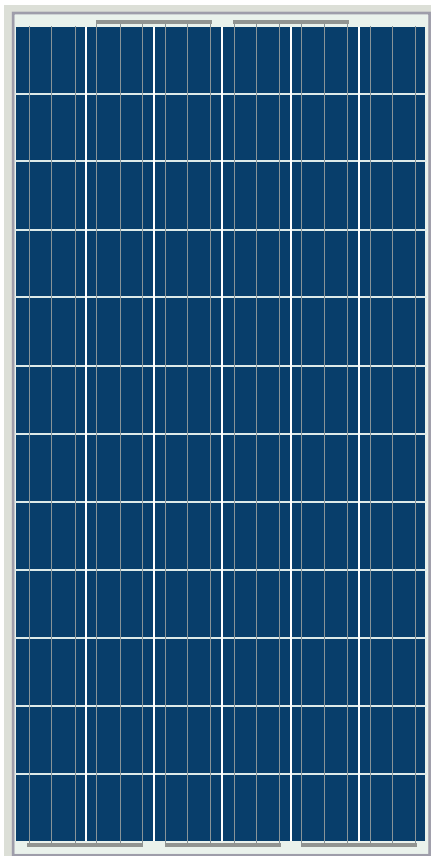
- ◆ High module conversion efficiency: With our cutting-edge manufacturing technology, module conversion efficiency reaches up to 15.5%.
- ◆ Multiple performance tests: Full output power tests, ELED tests and frame seal tests for each panel.
- ◆ Fire Energy Junction box: IP65 rated junction box (approved 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-280P	FE-285P	FE-290P	FE-295P	FE-300P
Maximum Power at STC (Pmax)	280 W	285 W	290 W	295 W	300 W
Optimum Operating Voltage (Vmp)	35.5 V	36 V	36.4 V	36.8 V	37.22 V
Optimum Operating Current (Imp)	7.89 A	7.92 A	7.97 A	8.02 A	8.07 A
Open Circuit Voltage (Voc)	44.5 V	44.7 V	44.9 V	45.2 V	45.7 V
Short Circuit Current (Isc)	8.62 A	8.65 A	8.71 A	8.76 A	8.81 A
Module Efficiency	14,43%	14,69%	14,95%	15,20%	15,46%
Operating Module Temperature	- 40~+85°C for 200 cycles				
Maximum System Voltage	1000 V				
Power tolerance	0 ~+ 5 W				

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

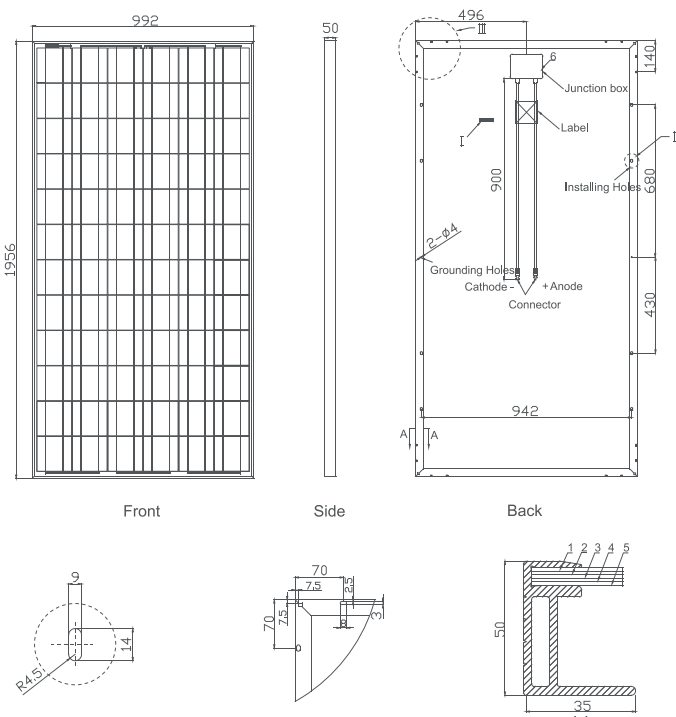
MECHANICAL DATA

Solar cell	Polycrystalline 156 × 156 mm (6 inches)
Number of Cells	72 (6 × 12)
Dimensions	1956 × 992 × 50 mm (77.01 × 39.06 × 1.97 inch)
Weight	27.0 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	-0.43%/°C
Current temperature coefficient	+0.04%/°C
Voltage temperature coefficient	-0.30%/°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

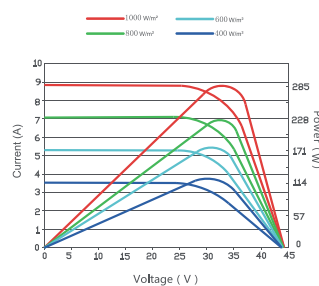


PACKING CONFIGURATION

Container	20 GP	40 GP
Pieces per pallet	18	18
Pallet per container	10	22
Pieces per container	180	396

Electrical Characteristics

Current-Voltage & Power- Voltage Curves (285 W)



Temperature Dependence of Isc, Voc and Pmax

