For a Free Quote:

Web: EnergyPal.com/solar

Call: **1-800-990-3725**

Email: contact@energypal.com



Solar Panel Guide Specification Data Sheet

> Full Solar Co., Ltd. F-280-330M F-290M



Mono-Crystalline Solar PV Module 72 Cells Series (156MMX156MM)



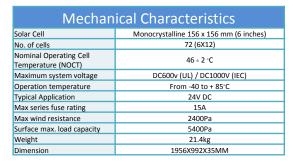
Performance

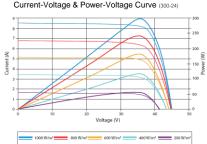
- Water resistant junction box with bybass diode and high strength polymer sheet on module's rear ensures module is sealed from moisture and mechanical damage
- High transmissivity low-iron toughened glass
- Excellent week light performance
- Unique drainage hole design and aluminum frame

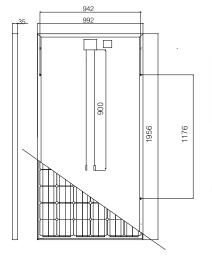
Quality and Reliability

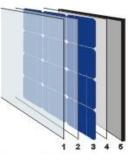
- Superior reliability with guaranteed +/-3% power output tolerance
- 10 years warranty on materials and workmanship,
- 25 years linear power warranty, 97% in the first year, 91% in 10th year, and ending with 80% in 25th year
- Cells are individually tested, characterized and modulated prior to interconnection
- Test and produce standard: IEC61215, IEC61730, ISO 9001:2008, ISO14001:2004, OHSAS18001:2007, TIS18001:2011, TIS1843:2553, TIS2580:2555

Electrical Characteristics						
Specification	F - 280M	F - 290M	F - 300M	F - 310M	F - 320M	F - 330M
Rating power at STC (Wp)	280W	290W	300W	310W	320W	330W
Open circuit voltage (Voc)	45.1V	45.5V	45.9V	46.3V	46.7V	47.1V
Short circuit current (lsc)	8.30A	8.45A	8.60A	8.75A	8.90A	9.05A
Rated voltage (Vm)	36.1V	36.4V	36.7V	37.1V	37.4V	37.7V
Rated current (Im)	7.75A	7.97A	8.17A	8.36A	8.55A	8.75A
Module efficiency (%)	14.43%	14.95%	15.46%	15.98%	16.49%	17.01%
Power tolerance	± 3%					
Temperature coefficient of Pm	-0.47%/K					
Temperature coefficient of lsc	+0.038%/K					
Temperature coefficient of Voc	-0.34%/K					
Maximum system voltage	DC600v (UL) / DC1000V (IEC)					
All technical data at STC: AM1.5; 1000W/m²; 25°C						









- 1. Tempered glass
- 2. EVA
- 3 .Cells
- 4. EVA
- Back sheet