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Solar Panel Guide Specification Data Sheet

> Full Solar Co., Ltd. F-120-150P F-135P



Poly-Crystalline Solar PV Module 36 Cells Series (156MMX156MM)



Performance

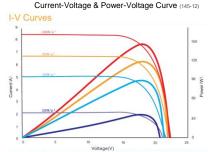
- Water resistant junction box with bybass diode and high strength polymer sheet on module's rear ensures module is sealed from moisture and mechanical damage
- High transmissivity low-iron toughened glass
- Excellent week light performance
- Unique drainage hole design and aluminum frame

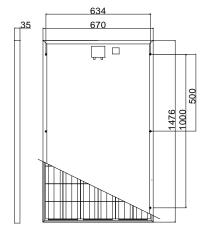
Quality and Reliability

- 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-120P	F-125P	F-130P	F-135P	F-140P	F-145P	F-150P
Rating power at STC (Wp)	120W	125W	130W	135W	140W	145W	150W
Open circuit voltage (Voc)	21.7V	22.0V	22.2V	22.25V	22.4V	22.6V	22.7V
Short circuit current (lsc)	7.45A	7.83A	8.09A	8.21A	8.33A	8.49A	8.74A
Rated voltage (Vm)	17.2V	17.4V	17.4V	17.5V	17.6V	17.8V	17.9V
Rated current (lm)	7.00A	7.19A	7.48A	7.73A	7.95A	8.16A	8.38A
Module efficiency (%)	12.13%	12.64%	13.14%	13.65%	14.16%	14.66%	15.17%
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							

Mechanical Characteristics Polycrystalline 156 x 156 mm (6 inches) Solar Cell No. of cells 36 (4X9) Nominal Operating Cell 46 ± 2 °C Temperature (NOCT) Operation temperature From -40 to + 85°C 12V DC Max series fuse rating 2400Pa Max wind resistance Surface max, load capacity 5400Pa 10.6kg Weight 1476X670X35MM Dimension







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