

Poly-Crystalline Solar PV Module 60 Cells Series (156MMX156MM)



Performance

- ♦ Water resistant junction box IP67 with bypass 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 anodized aluminum frame
- ♦ PV Connector type MC4

Quality and Reliability

- ♦ Superior reliability with guaranteed 0~3% 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

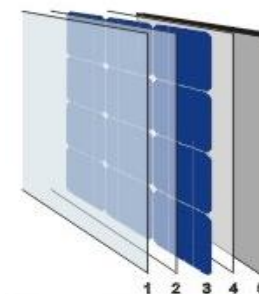
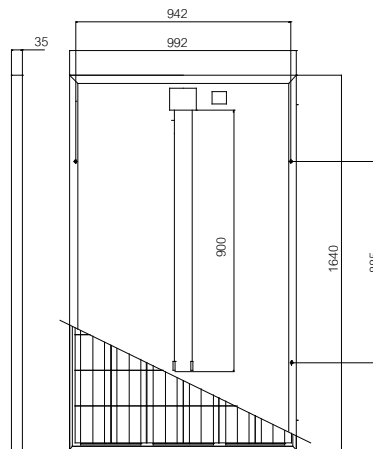
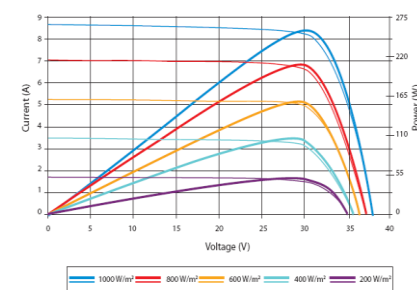
Specification	F-230P	F-235P	F-240P	F-245P	F-250P	F-255P	F-260P
Rating power at STC (Wp)	230W	235W	240W	245W	250W	255W	260W
Open circuit voltage (Voc)	18.55V	18.65V	18.75V	18.85V	18.90V	19.00V	19.00V
Short circuit current (Isc)	16.60V	16.80V	17.00V	17.20V	17.40V	17.42V	17.44V
Rated voltage (Vm)	14.70V	14.80V	14.90V	15.00V	15.10V	15.35V	15.55V
Rated current (Im)	15.64V	15.88V	16.12V	16.36V	16.6V	16.6V	16.72V
Module efficiency (%)	14.14%	14.44%	14.75%	15.06%	15.37%	15.67%	15.98%
Power tolerance	±3%						
Temperature coefficient of Pm	-0.47%/K						
Temperature coefficient of Isc	+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

Solar Cell	Polycrystalline 156 x 156 mm (6 inches)
No. of cells	60 (6X10)
Nominal Operating Cell Temperature (NOCT)	46 ± 2 °C
Operation temperature	From -40 to + 85°C
Typical Application	24V DC
Max series fuse rating	15A
Max wind resistance	2400Pa
Surface max. load capacity	up to 5400Pa
Weight	18.3kg
Dimension	1640X992X35MM

Current-Voltage & Power-Voltage Curve (245-20)



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