

## 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 10<sup>th</sup> year, and ending with 80% in 25<sup>th</sup> 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

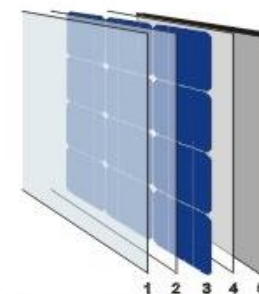
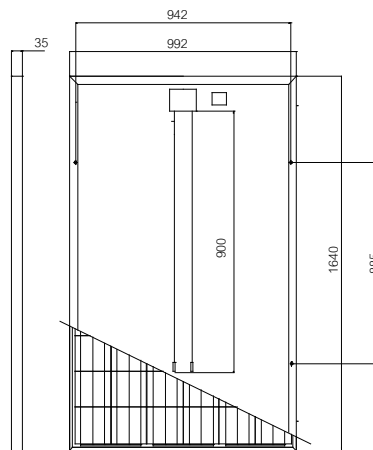
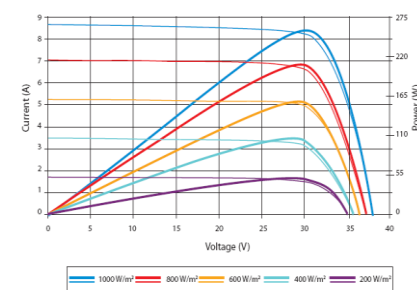
Specification	F-240P	F-245P	F-250P	F-255P	F-260P	F-265P	F-270P
Rating power at STC (Wp)	240W	245W	250W	255W	260W	265W	270W
Open circuit voltage (Voc)	36.03V	36.43V	36.83V	37.23V	37.63V	38.03V	38.43V
Short circuit current (Isc)	8.91A	8.94A	8.97A	9.00A	9.03A	9.06A	9.09A
Rated voltage (Vm)	28.57V	29.09V	29.62V	30.14	30.66V	31.18V	31.69V
Rated current (Im)	8.40A	8.42A	8.44A	8.46A	8.48A	8.50A	8.52A
Module efficiency (%)	14.75%	15.06%	15.37%	15.67%	15.98%	16.29%	16.60%
Power tolerance	0 - 3 % (W)						
Temperature coefficient of Pm	-0.43%/K						
Temperature coefficient of Isc	+0.06%/K						
Temperature coefficient of Voc	-0.32%/K						
Maximum system voltage	DC600v (UL) / DC1000V (IEC)						

All technical data at STC: AM1.5; 1000W/m<sup>2</sup>; 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