

Mono-Crystalline Solar PV Module 72 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

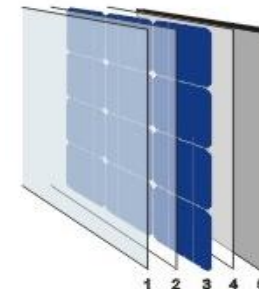
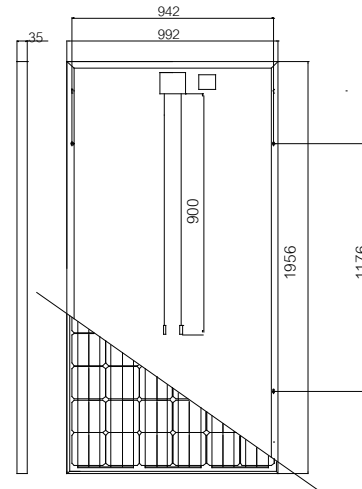
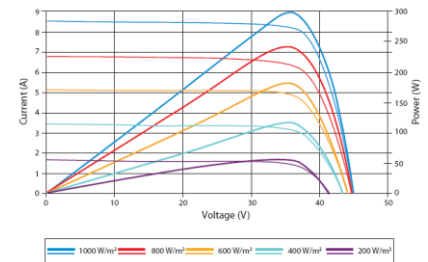
Specification	F - 310M	F - 315M	F - 320M	F - 325M	F - 330M
Rating power at STC (Wp)	310W	315W	320W	325W	330W
Open circuit voltage (Voc)	45.27V	45.51V	45.75V	46.10V	46.56V
Short circuit current (Isc)	8.85A	8.92A	9.09A	9.11A	9.21A
Rated voltage (Vm)	36.65V	36.98V	37.30V	37.62V	37.94V
Rated current (Im)	8.46A	8.52A	8.58A	8.64A	8.70A
Module efficiency (%)	15.98%	16.23%	16.49%	16.75%	17.01%
Power tolerance	0 - 3 % (W)				
Temperature coefficient of Pm	-0.45%/K				
Temperature coefficient of Isc	+0.052%/K				
Temperature coefficient of Voc	-0.33%/K				
Maximum system voltage	DC600v (UL) / DC1000V (IEC)				

All technical data at STC: AM1.5; 1000W/m²; 25°C

Mechanical Characteristics

Solar Cell	Monocrystalline 156 x 156 mm (6 inches)
No. of cells	72 (6X12)
Nominal Operating Cell Temperature (NOCT)	46 ± 2 °C
Maximum system voltage	DC600v (UL) / DC1000V (IEC)
Operation temperature	From -40 to + 85°C
Typical Application	24V DC
Max series fuse rating	15A
Max wind resistance	2400Pa
Surface max. load capacity	5400Pa
Weight	21.4kg
Dimension	1956X992X35MM

Current-Voltage & Power-Voltage Curve (300-24)



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