

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



Performance

- Water resistant junction box IP67, IP68 with bypass diode and high strength polymer sheet on module's rear ensures module is sealed from moisture and mechanical damage
- AR coating low iron pattern tempered glass
- UV protection
- Unique drainage hole design and clear anodized aluminum frame
- PV cable with Connector type MC4

Quality and Reliability

- Superior reliability with guaranteed 0~5W power output tolerance
- 15 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

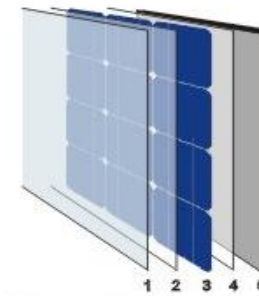
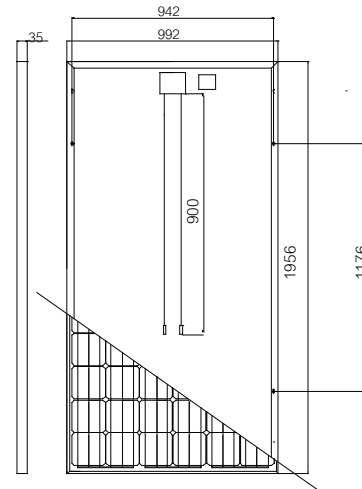
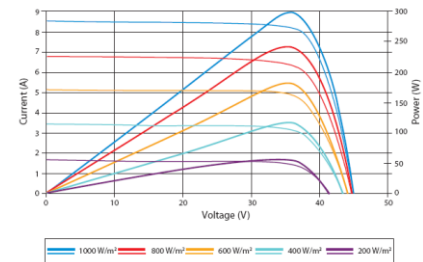
| Specification | F - 310M | F - 315M | F - 320M | F - 325M | F - 330M | F - 335M | F-340M |
|--------------------------------|-----------------------------|----------|----------|----------|----------|----------|--------|
| Rating power at STC (Wp) | 310W | 315W | 320W | 325W | 330W | 335W | 340W |
| Open circuit voltage (Voc) | 45.27V | 45.51V | 45.75V | 46.10V | 46.56V | 47.10V | 47.2V |
| Short circuit current (Isc) | 8.85A | 8.92A | 9.09A | 9.11A | 9.21A | 9.35A | 9.40A |
| Rated voltage (Vm) | 36.65V | 36.98V | 37.30V | 37.62V | 37.94V | 38.20V | 38.70V |
| Rated current (Im) | 8.46A | 8.52A | 8.58A | 8.64A | 8.70A | 8.77A | 8.79A |
| Module efficiency (%) | 15.98% | 16.23% | 16.49% | 16.75% | 17.01% | 17.26% | 17.52% |
| Power tolerance | 0 ~ 5 W | | | | | | |
| Temperature coefficient of Pm | -0.40%/K | | | | | | |
| Temperature coefficient of Isc | +0.052%/K | | | | | | |
| Temperature coefficient of Voc | -0.31%/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 | 1956X992X35 MM |

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



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