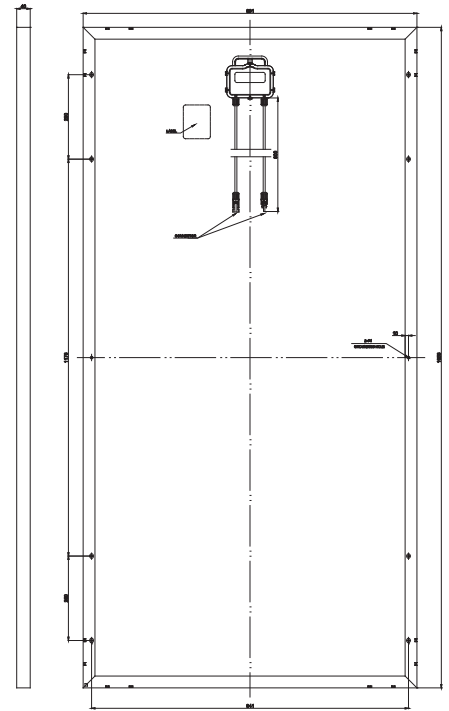


Mechanical Characteristics

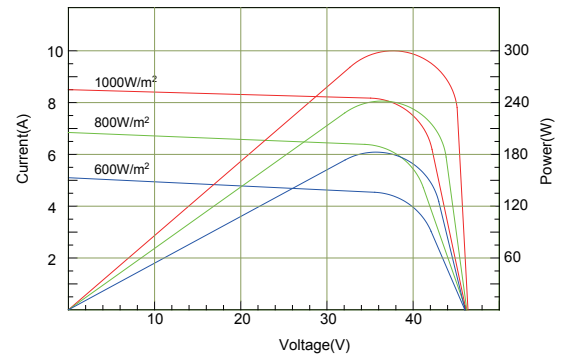
| | |
|------------------------|---|
| Type of cell | Poly-Crystalline 156x156mm |
| Cells Array and Number | 6x12(72pcs) |
| Dimensions | 1956x991x40mm |
| Weight | 22.5Kg |
| Front Glass | 3.2mm Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Encapsulation | Glass/EVA/Cells/EVA/TPT |
| Relative Humidity | 0 to 100% |
| Resistance | 227g steel ball fall down from 1m height and 60m/s wind |
| Snow load parameters | 2400Pa |



Temperature Coefficients

| | |
|--|--------------------|
| Nominal Operating Cell Temperature(NOCT) | 45 °C ± 5 °C |
| Temperature Coefficient of Pmax | -(0.410 ± 0.05)%/K |
| Temperature Coefficient of Voc | -(0.320 ± 0.01)%/K |
| Temperature Coefficient of Isc | -(0.050 ± 0.05)%/K |
| Maximum Series Fuse/current rating | 10A |

I-V Characteristics Curve



Electrical Characteristics

| Characteristics | 295W | 300W | 305W | 310W |
|---|------------------|--------|--------|--------|
| Open-Circuit Voltage(Voc) | 46.05V | 46.15V | 46.26V | 46.41V |
| Optimum Circuit Voltage(Vmp) | 37.20V | 37.55V | 37.71V | 37.81V |
| Short-Circuit Current(Isc) | 8.44A | 8.54A | 8.62A | 8.73A |
| Optimum Circuit Current(Imp) | 7.93A | 7.99A | 8.09A | 8.20A |
| Maximum Power at STC(Pmax) | 295W | 300W | 305W | 310W |
| Module Efficiency | 15.21% | 15.47% | 15.73% | 15.99% |
| Operating Temperature | -40 °C to +85 °C | | | |
| Maximum System Voltage | 1000V DC | | | |
| Power tolerance | ±3% | | | |
| STC: Irradiance 1000W/m ² , Module temperature 25 °C, AM=1.5 | | | | |