

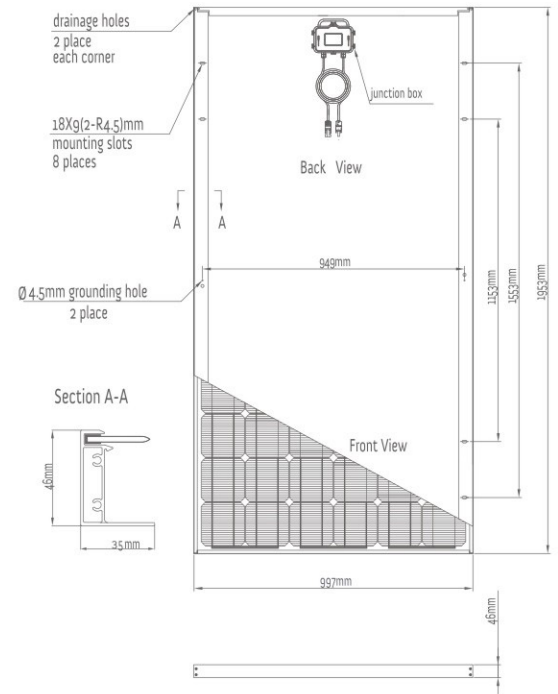
Monocrystalline Solar Module

156x156mm 6x12 Cells

► Electrical characteristics

| | | | | |
|---------------------------------|-----------------------|------------|------------|------------|
| TUV-Model | UL-290M-72 | UL-295M-72 | UL-300M-72 | UL-305M-72 |
| UL-Model | UL-290M | UL-295M | UL-300M | UL-305M |
| Max. Power Pm (W) | 290 | 295 | 300 | 305 |
| Max. Power Voltage Vm (V) | 36.5 | 36.6 | 36.7 | 36.8 |
| Max. Power Current Im (A) | 7.95 | 8.06 | 8.18 | 8.29 |
| Open-Circuit Voltage Voc (V) | 44.7 | 44.9 | 45.2 | 45.5 |
| Short-Circuit Current Isc (A) | 8.57 | 8.60 | 8.72 | 8.80 |
| Cell Efficiency | 16.9 | 17.1 | 17.4 | 17.7 |
| Module Efficiency | 14.9 | 15.2 | 15.4 | 15.7 |
| Power Tolerance | 0~+3% | | | |
| Max. System Voltage (V) | 1000 (TUV) / 600 (UL) | | | |
| Temperature Coefficient of Isc | +0.065%/°C | | | |
| Temperature Coefficient of Voc | -0.330%/°C | | | |
| Temperature Coefficient of Pmax | -0.403%/°C | | | |
| Operating Temperature | -40°C~+85°C | | | |
| NOCT | 45±2°C | | | |
| Series Fuse Rating (A) | 15 | | | |

STC: irradiance: 1000 W/m²; Solar spectrum: AM 1.5; cell temperature: 25°C



► Mechanical characteristics

| | |
|-----------------------|-------------|
| Module Dimension (mm) | 1953x997x46 |
| Cell Dimension (mm) | 156x156 |
| Array (PCS) | 6x12 |
| Weight (kg) | 22.5 |

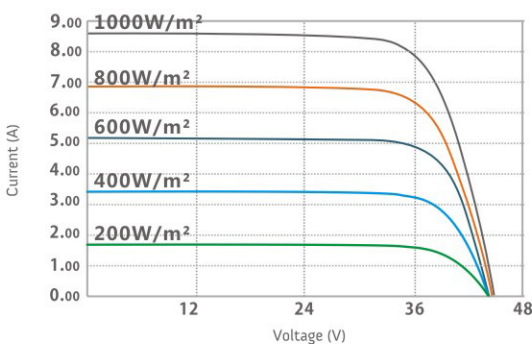
► Guarantee

- 10-year product guarantee
- 12-year performance guarantee at 90% power output
- 25-year power guarantee at 80% power output

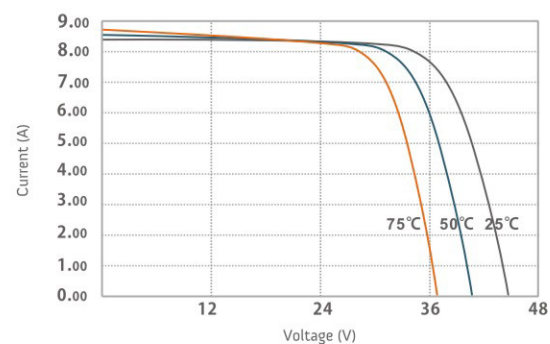
► Note

- Nominal operating cell temperature above data is only for reference
- Deviation of Vm(V), Im(A), Voc(V) and ISC(A) of ± 10%
- Due to continuous Innovation, research and improvement, the specification is subject to change without prior notice.

► I-V Curves



I-V Curves at different irradiance



I-V Curves at different temperature