

6" Polycrystalline PV module 72 cells

Key Features



Flexible Production*



High Quality Bill of Materials



Reinforced Module Warranty



Reinforced Structure (thicker glass, stronger frame)



Ideal for ground mounted systems



Secure Investment

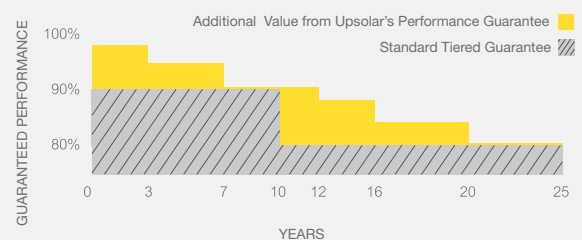
Upsolar provides industry-leading product coverage for all our modules to ensure our customers achieve superior long-term value from their solar installations. In addition to a 10-year product warranty, which covers unanticipated module damage, Upsolar implements a 25-year performance guarantee known as the Reinforced Module Warranty.

Whereas traditional warranties offer only two trigger points over 25 years, the Reinforced Module Warranty features six trigger points at years 3, 7, 12, 16, 20 and 25. Upsolar also maintains relationships with third-party insurance providers to offer an additional layer of protection for interested parties.



Upsolar has teamed up with PowerGuard Specialty Insurance Services to provide customers with a second level of product coverage. The 25-year, non-cancellable warranty is backed by PowerGuard's network of trusted providers, each rated A (Excellent) or better by A.M. Best, meaning the warranty stays in place with or without Upsolar's involvement.

Product guarantee for 10 years Performance guarantee for 25 years



*Upsolar has expanded its manufacturing operations in Asia and North America, keeping its modules duty-free in the event of new CVD or AD policies. Please ask about pricing and payment terms and conditions to meet your needs.

Electrical Characteristics @ STC*

| MODEL | UP-M290P | UP-M295P | UP-M300P | UP-M305P | UP-M310P |
|-------------------------------|--------------------|----------|----------|----------|----------|
| Max Power Pm (Wp) | 290 | 295 | 300 | 305 | 310 |
| Max Power Voltage Vm (V) | 35.5 | 35.7 | 35.9 | 36.1 | 36.3 |
| Max Power Current Im (A) | 8.17 | 8.26 | 8.36 | 8.45 | 8.54 |
| Open-Circuit Voltage Voc (V) | 45.2 | 45.4 | 45.6 | 45.8 | 46.0 |
| Short-Circuit Current Isc (A) | 8.50 | 8.58 | 8.66 | 8.74 | 8.82 |
| Module Efficiency | 14.9% | 15.2% | 15.5% | 15.70% | 16.0% |
| Maximum System Voltage (V) | 1000(IEC)/1000(UL) | | | | |
| Power Tolerance | ±3% | | | | |
| Series Fuse Rating (A) | 20A | | | | |

*STC: Irradiance 1000 W/m², Module temperature 25°C, AM=1.5

Components & Mechanical Data

| | |
|------------------------|--|
| Front Glass | High Transparency Tempered Glass 0.157" // 4.0 mm |
| Junction Box | IP 65 or above |
| Bypass Diode | 3 diodes |
| Output Cables | 1.0 m // IEC, UL approved (4 mm ² , 12AWG) (PV Wire Type) |
| Connectors | MC4 (IP67, IEC and UL approved) |
| Frame | E-coated aluminium alloy type 6063-T5 |
| Encapsulation Material | EVA (0.018" // 0.45 mm ± 0.001" // 0.03 mm thickness) |
| Back Sheet | White multilayer polymer film |
| Temperature Range | -40°F to +194°F // -40°C to +90°C |
| Max Load | 75 lbs / ft ² (UL Standard) // 5400 Pa (IEC Standards) |
| Impact Resistance | Steel ball - 1.18 lbs // 535 g dropped from 51" // 1.3 m high |

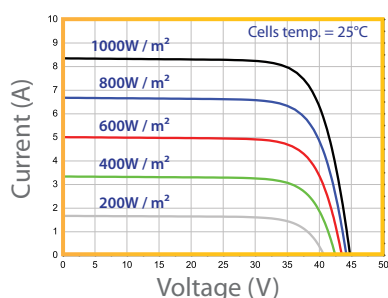
Specifications

| | |
|-----------------------|---|
| Cells | Polycrystalline silicon solar cells 6" x 6" // 156 mm x 156 mm |
| Number of Cells | 72 (6 x 12) |
| Dimensions (in // mm) | 77 x 39.06 x 1.97 // 1956 x 992 x 50 |
| Weight (lb // kg) | 59.52 // 27.0 |

Temperature Coefficients

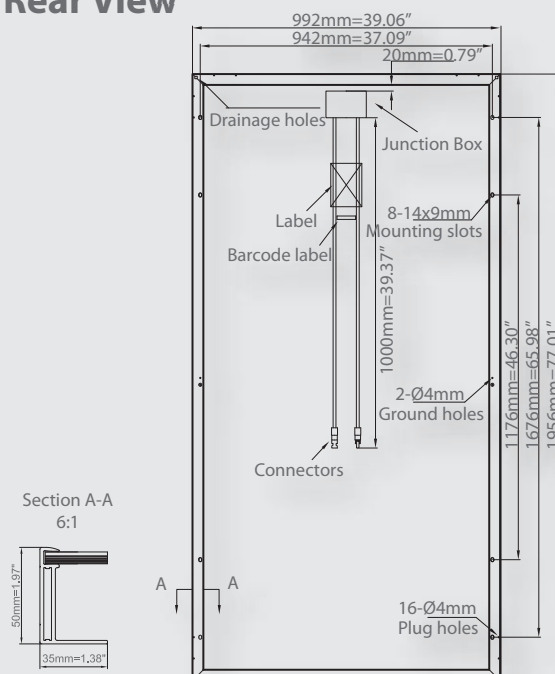
| | |
|--|--------------|
| NOCT (°C) | 45 ± 2 |
| Temperature Coefficients of Isc (% / °C) | 0.05 ± 0.01 |
| Temperature Coefficients of Voc (% / °C) | -0.30 ± 0.02 |
| Temperature Coefficients of Im (% / °C) | -0.02 ± 0.02 |
| Temperature Coefficients of Vm (% / °C) | -0.42 ± 0.03 |
| Temperature Coefficients of Pm (% / °C) | -0.43 ± 0.05 |

IV Curves



● Deviation of Vm (V), Im (A), Voc (V) and Isc (A) of ±2.5%

Rear View



Options Available

SolarEdge Integrated

Tigo Integrated