Upsolar

6” | Polycrystalline PV module 36 cells

Power Output: **150 - 175 Watt**
Max. Efficiency: **17.6%**

High Mechanical Load
Certified to withstand high wind and snow loads up to 5400Pa

Outstanding Temperature Coefficients
Reduces power loss for solar modules operating in high temperature climates

Anti-reflective Surface
Increases the panel's exposure and efficiency of converting sunlight into energy

Excellent Low-Light Performance
Tier 1 certified solar cells allows better performance in low-light environments

Ideal for Large Scale Installations
Lower installations time and BOS (Balance of Systems) costs

Salt Mist and Ammonia Resistant
Certified by Bureau Veritas to withstand usage near coastal environments

PID resistant
Designed to minimise cell degradation in extreme environments

IEC 61215 61730 | CEC listed UL 1703 | CE | TÜV | ETL

25 YEARS Linear Peak Power Warranty Coverage

+12 Year Product Guarantee

Secure Investment

Upsolar provides exceptional product coverage for all modules to ensure our customers achieve superior long-term value from their solar installations. To further improve our product warranty, which covers unanticipated module damage, we've recently expanded our terms from a 10-year period to a 12-year period.

In addition, Upsolar offers a 25-year performance guarantee known as the Linear Module Warranty. Whereas traditional policies feature a single trigger point leading to drastic coverage reductions after just 10 years, Upsolar's coverage more accurately corresponds to system performance, providing coverage for over 25-years.

Overall, our goal is to deliver not only top-notch modules, but also peace of mind, for decades to come.

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

Poly Series | 6” PV Module 36 cells

Electrical Characteristics

MODEL	UP-M150P	UP-M155P	UP-M160P	UP-M165P	UP-M170P	UP-M175P
Max Power Pm (Wp)	150	155	160	165	170	175
Max Power Voltage Vm (V)	18.1	18.3	18.4	18.8	19.1	19.5
Max Power Current Im (A)	8.31	8.49	8.68	8.78	8.88	8.98
Open-Circuit Voltage Voc (V)	22.9	23.2	23.6	24.0	24.4	24.8
Short-Circuit Current Isc (A)	8.67	8.77	8.90	9.00	9.10	9.20
Module Efficiency	15.1%	15.6%	16.1%	16.6%	17.1%	17.6%
Maximum System Voltage (V)	1000(IEC) / 1000(UL) or 1500(IEC) / 1500(UL)					
Power Tolerance	0/+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 0.125” // 3.2 mm
Junction Box	IP 65 or above
Bypass Diode	Schottky type
Output Cables	1.0 m // IEC, UL approved (2.5 or above mm²)
Connectors	MC4 compatible (IP67, IEC and UL approved)
Frame	Anodized 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 / ft² (UL Standard) // 5400 Pa (IEC Standards)
Impact Resistance	Steel ball - 1.18 lbs // 535 g dropped from 51” // 1.3 m high

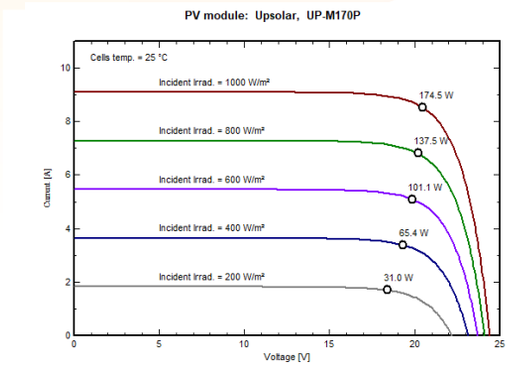
Specifications

Cells	Polycrystalline silicon solar cells 6” x 6” // 156 mm x 156 mm
Number of Cells	36 (9 x 4)
Dimensions (in // mm)	58.19 x 26.38 x 1.38 // 1478 x 670 x 35
Weight (lb // kg)	22.0 // 10.0

Temperature Coefficients

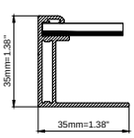
NOCT (°C)	45 ± 2
Temperature Coefficients of Isc (% / °C)	0.05 ± 0.01
Temperature Coefficients of Voc (% / °C)	-0.30 ± 0.02
Temperature Coefficients of Im (% / °C)	-0.02 ± 0.02
Temperature Coefficients of Vm (% / °C)	-0.42 ± 0.03
Temperature Coefficients of Pm (% / °C)	-0.40 ± 0.05

IV Curves



Options Available

Customerized cable length



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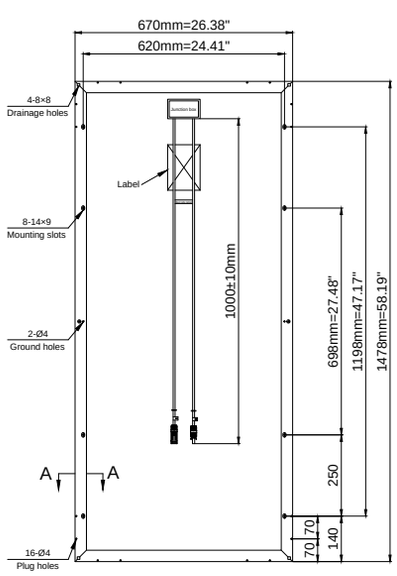

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