



6" Polycrystalline Half-Cut 60 cells

Power Output: **285 - 310 Watt**
Max. Efficiency: **18.6%**



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



Enhanced Performance
Half cut cell feature allows a power increase of at least 5Wp vs. standard modules



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



High Efficiency
Polycrystalline cells (with the option of PERC) allows a higher yield



Lower Hot Spots
Half cut design reduces energy loss caused by shading between modules



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



PID free
Designed to minimise cell degradation in extreme environments

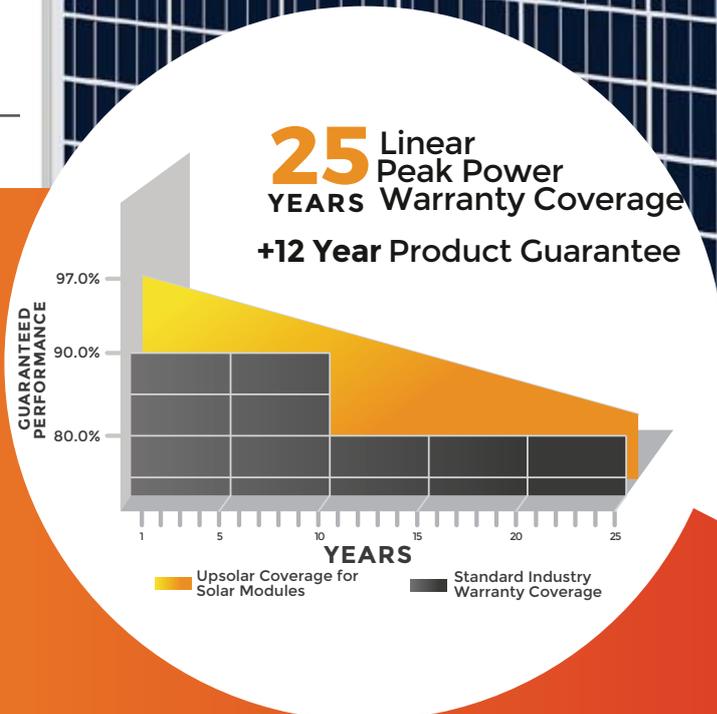


Secure Investment

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" Half-Cut 60 cells

Electrical Characteristics

MODEL	UP-M285P	UP-M290P	UP-M295P	UP-M300P	UP-M305P	UP-M310P
Max Power Pm (Wp)	285	290	295	300	305	310
Max Power Voltage Vm (V)	32.0	32.2	32.4	32.6	32.8	33.0
Max Power Current Im (A)	8.91	9.01	9.10	9.20	9.30	9.40
Open-Circuit Voltage Voc (V)	38.3	38.6	38.9	39.2	39.5	39.8
Short-Circuit Current Isc (A)	9.53	9.62	9.72	9.82	9.91	10.00
Module Efficiency	17.1%	17.4%	17.7%	18.0%	18.3%	18.6%
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 67 or above
Bypass Diode	3 diodes
Output Cables	IEC, UL approved (4 mm ² , 12AWG) (PV Wire Type)
Connectors	MC4 compatible (IP67, IEC and UL approved)
Frame	Anodized aluminium alloy type 6063-T5
Encapsulation Material	EVA
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

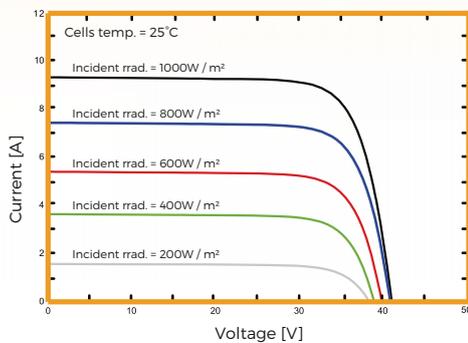
Specifications

Cells	Polycrystalline silicon solar cells
Number of Cells	120 (6 x 20)
Dimensions (in // mm)	66.06 x 39.06 x 1.38 // 1678 x 992 x 35
Weight (lb // kg)	40.8 // 18.5

Temperature Coefficients

NOCT (°C)	44 ± 2
Temperature Coefficients of Isc (% / °C)	0.048 ± 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)	-0.41 ± 0.03
Temperature Coefficients of Pm (% / °C)	-0.39 ± 0.05

IV Curves



Options Available

Rear View

