



# M6

## Bifacial HJT 120 cells (glass-glass type)

Power Output (STC): **380 - 400 Watt**  
Max. Efficiency (STC): **21.96%**



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



**Enhanced Performances**  
Bifacial feature allows a power boost up to 20% vs monofacial



**Lower LCOE**  
Higher power output over the long term increases projects ROI



**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



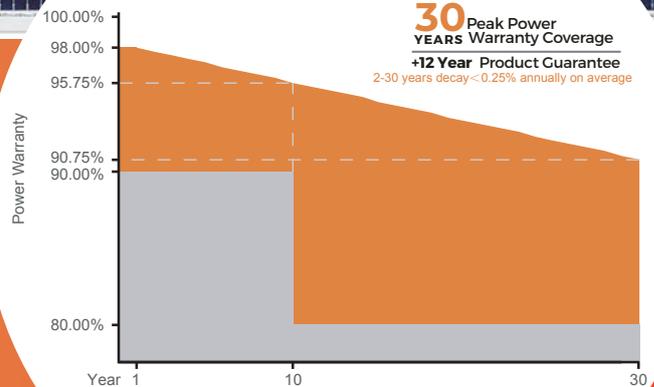
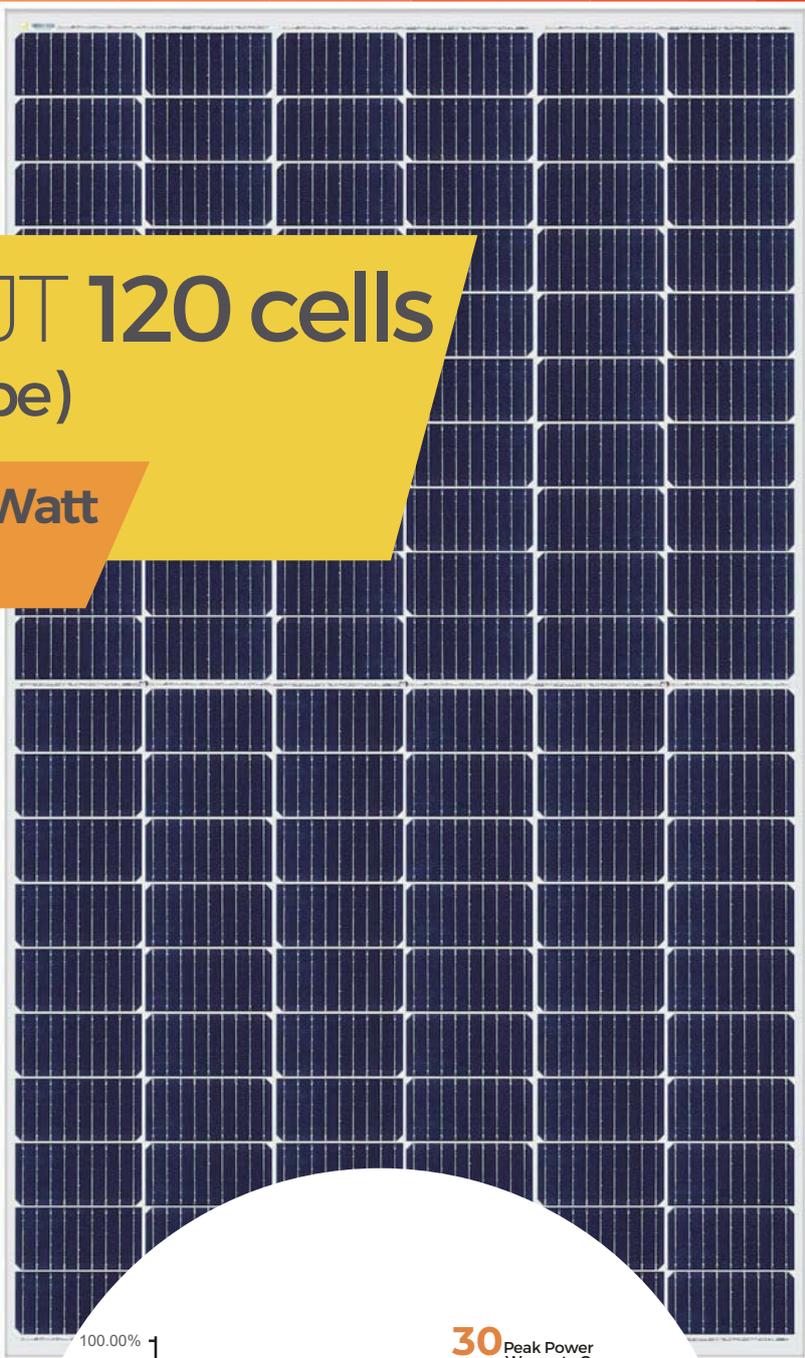
## Secure Investment

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 30-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 30-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.



# Bifacial HJT Series | M6 Half-cut 120 cells

## Electrical Characteristics at STC

STC: Irradiance 1,000 W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

MODEL	UP-B380MH-G (60M6)	UP-B385MH-G (60M6)	UP-B390MH-G (60M6)	UP-B395MH-G (60M6)	UP-B400MH-G (60M6)
Max Power P <sub>m</sub> at STC (Wp)	380	385	390	395	400
Max Power Voltage V <sub>m</sub> (V)	37.67	37.86	38.05	38.24	38.43
Max Power Current I <sub>m</sub> (A)	10.09	10.17	10.25	10.33	10.41
Open-Circuit Voltage V <sub>oc</sub> (V)	44.45	44.70	44.95	45.20	45.45
Short-Circuit Current I <sub>sc</sub> (A)	10.85	10.92	10.99	11.06	11.13
Module Efficiency (STC)	20.86%	21.14%	21.41%	21.68%	21.96%
Bifacial Factor	0.85+/-0.05				

## Bifacial Output-rearside Power Gain

5%	Max Power P <sub>m</sub> (STC)	399	404	410	415	420
	Module Efficiency (STC)	21.90%	22.20%	22.48%	22.76%	23.06%
15%	Max Power P <sub>m</sub> (STC)	437	443	449	454	460
	Module Efficiency (STC)	23.99%	24.31%	24.62%	24.93%	25.25%
25%	Max Power P <sub>m</sub> (STC)	475	481	488	494	500
	Module Efficiency (STC)	26.08%	26.43%	26.76%	27.10%	27.45%

## Components & Additional Data

Power tolerance	0/+3%
Front Glass	High Transparency Tempered Glass 0.078" // 2.0 mm
Junction Box	IP 67 or above
Output Cables	0.3m // IEC/ UL approved (4 mm <sup>2</sup> , 12AWG) (PV Wire Type)
Connectors	MC4 compatible (IP67, IEC and UL approved)
Frame	Anodized aluminium alloy type 6063-T5
Encapsulation Material	EVA
Back Sheet	High Transparency Tempered Glass 0.078" // 2.0 mm
Temperature Range	-40°F to +194°F // -40°C to +90°C
Series fuse rating	20A
Maximum system voltage	1,500V (IEC/UL)

## Specifications

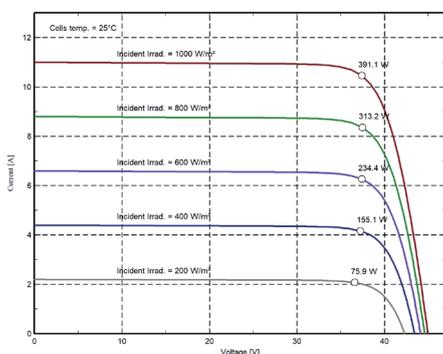
Cells	Mono bifacial HJT solar cells 166 x 83
Number of Cells	120 (6 x 20)
Dimensions (in // mm)	69.19 x 40.92 x 1.18 // 1755 x 1038 x 30
Weight (lb // kg)	50.2 // 22.8

## Temperature Coefficients

NMOT (°C)	45 ± 2
Temperature Coefficients of I <sub>sc</sub> (% / °C)	0.047 ± 0.01
Temperature Coefficients of V <sub>oc</sub> (% / °C)	-0.22 ± 0.02
Temperature Coefficients of I <sub>m</sub> (% / °C)	0.047 ± 0.01
Temperature Coefficients of V <sub>m</sub> (% / °C)	-0.22 ± 0.02
Temperature Coefficients of P <sub>m</sub> (% / °C)	-0.24 ± 0.03

## IV Curves

PV module: Upsolar, UP-B390MH-G(60M6)



## Options Available

- Frameless option available
- Transparent backsheet option available

