![Upsolar logo] Upsolar

M10 | Bifacial 144 cells
(Glass-T type)

Power Output (STC) : 540 - 560 Watt
Max. Efficiency (STC): 21.68%

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 FREE — PID resistant
Designed to minimise cell degradation in extreme environments

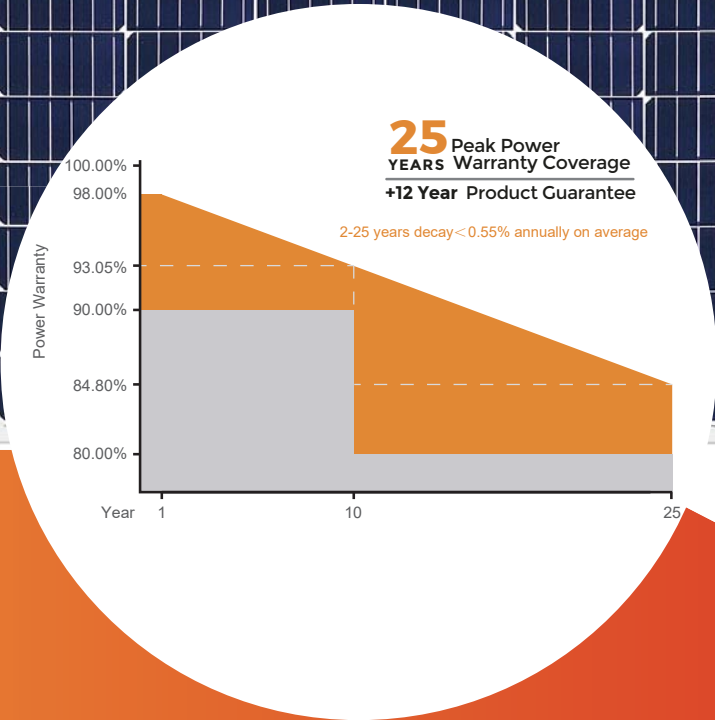IEC 61215 61730   c(UL)us CEC listed UL 1703   CE   TÜV   BUREAU VERITAS   ETL Intertek

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 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.

25 YEARS Peak Power Warranty Coverage
+12 Year Product Guarantee
2-25 years decay < 0.55% annually on average

Power Warranty
100.00%
98.00%
93.05%
90.00%
84.80%
80.00%
Year 1   10   25

Bifacial Series | Mono 182 144 cells

Electrical Characteristics at STC

STC: Irradiance 1,000 W/m², Module temperature 25°C, AM=1.5

MODEL	UP-B540MH-T (72M10)	UP-B545MH-T (72M10)	UP-B550MH-T (72M10)	UP-B555MH-T (72M10)	UP-B560MH-T (72M10)
Max Power Pm at STC (Wp)	540	545	550	555	560
Max Power Voltage Vm (V)	41.60	41.75	41.90	42.05	42.20
Max Power Current Im (A)	12.98	13.05	13.13	13.20	13.27
Open-Circuit Voltage Voc (V)	49.45	49.60	49.75	49.90	50.05
Short-Circuit Current Isc (A)	14.05	14.13	14.21	14.29	14.37
Module Efficiency (STC)	20.90%	21.10%	21.29%	21.48%	21.68%
Bifacial Factor	0.70+/-0.05				

Bifacial Output-rearside Power Gain

		UP-B540MH-T	UP-B545MH-T	UP-B550MH-T	UP-B555MH-T	UP-B560MH-T
5%	Max Power Pm (STC)	567	572	578	583	588
	Module Efficiency (STC)	21.95%	22.15%	22.36%	22.56%	22.76%
15%	Max Power Pm (STC)	621	627	633	638	644
	Module Efficiency (STC)	24.04%	24.26%	24.48%	24.71%	24.93%
25%	Max Power Pm (STC)	675	681	688	694	700
	Module Efficiency (STC)	26.13%	26.37%	26.61%	26.86%	27.10%

Components & Additional Data

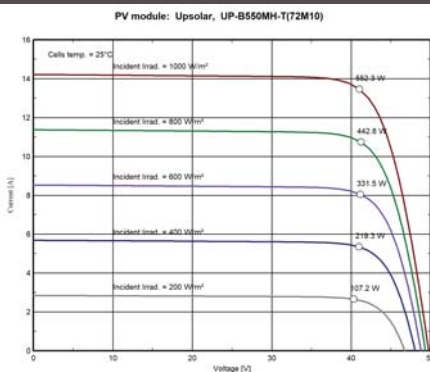|	
Power tolerance	0/+3%
Front Glass	High Transparency Tempered Glass 0.126″ // 3.2 mm
Junction Box	IP 68 or above
Output Cables	0.3m // IEC/ UL approved (4 mm², 12AWG) (PV Wire Type)
Connectors	MC4 compatible (IP67, IEC and UL approved)
Frame	Anodized aluminium alloy type 6063-T5
Encapsulation Material	EVA
Back Sheet	Transparent backsheet
Temperature Range	-40°F to +194°F // -40°C to +90°C
Series fuse rating	20A
Maximum system voltage	1,000V or 1,500V (IEC/UL)

Specifications

Cells	Monocrystalline bifacial solar cells 182 x 91
Number of Cells	144 (6 x 24)
Dimensions (in // mm)	89.68 x 44.64 x 1.38 // 2278 x 1134 x 35
Weight (lb // kg)	62.8 // 28.5

Temperature Coefficients

NMOT (°C)	45 ± 2
Temperature Coefficients of Isc (% / °C)	0.05 ± 0.01
Temperature Coefficients of Voc (% / °C)	-0.28 ± 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)	-0.35 ± 0.05

IV Curves

PV module: Upsolar, UP-B550MH-T(72M10)

Options Available

Frameless option available

Glass-glass option available