



# 6" | Monocrystalline PERC PV module 72 cells

Power Output: **385 - 410 Watt**  
Max. Efficiency: **20.6%**



## 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

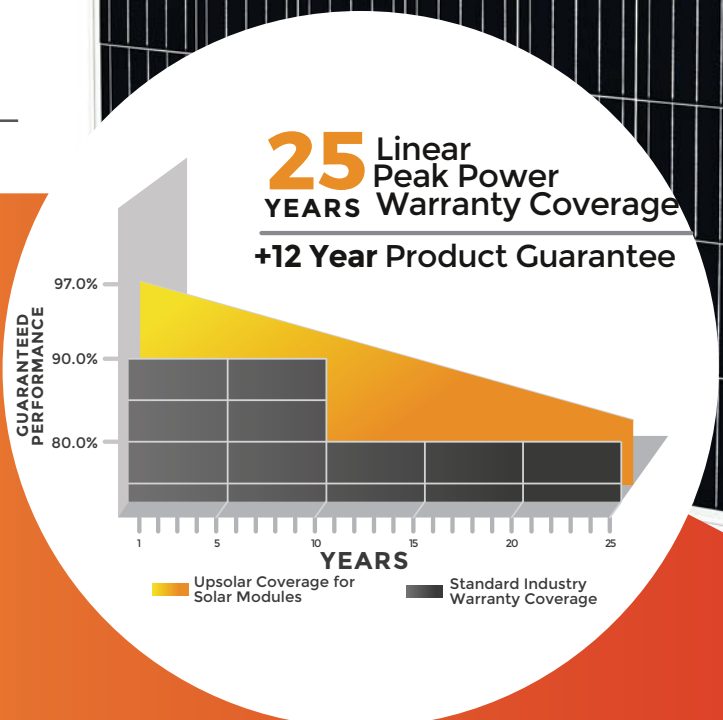


## Secure Investment

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.



# Mono Series | 6" PV Module 72 cells

## Electrical Characteristics

MODEL	UP-M385M	UP-M390M	UP-M395M	UP-M400M	UP-M405M	UP-M410M
Max Power P <sub>m</sub> (Wp)	385	390	395	400	405	410
Max Power Voltage V <sub>m</sub> (V)	39.8	40.1	40.4	40.7	41.0	41.3
Max Power Current I <sub>m</sub> (A)	9.67	9.73	9.78	9.83	9.88	9.93
Open-Circuit Voltage V <sub>oc</sub> (V)	48.8	49.1	49.4	49.7	50.0	50.3
Short-Circuit Current I <sub>sc</sub> (A)	10.12	10.20	10.28	10.36	10.44	10.52
Module Efficiency	19.4%	19.6%	19.9%	20.1%	20.4%	20.6%
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/m<sup>2</sup>, 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	1.0 m // 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	White multilayer polymer film
Temperature Range	-40°F to +194°F // -40°C to +90°C
Max Load	75 lbs / ft <sup>2</sup> (UL Standard) // 5400 Pa (IEC Standards)
Impact Resistance	Steel ball - 1.18 lbs // 535 g dropped from 51" // 1.3 m high

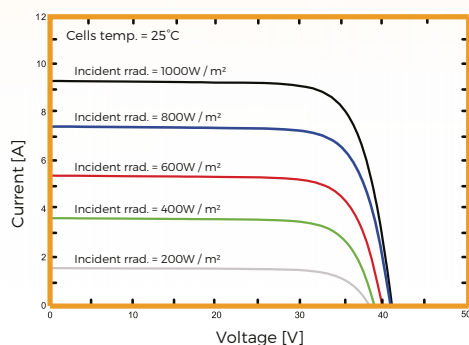
## Specifications

Cells	Mono PERC 158.75x158.75
Number of Cells	72 (6 x 12)
Dimensions (in // mm)	77.67 x 39.32 x 1.57 // 1979 x 1002 x 40
Weight (lb // kg)	50.7 // 23.0

## Temperature Coefficients

NOCT (°C)	45 ± 2
Temperature Coefficients of I <sub>sc</sub> (% / °C)	0.05 ± 0.01
Temperature Coefficients of V <sub>oc</sub> (% / °C)	-0.30 ± 0.02
Temperature Coefficients of I <sub>m</sub> (% / °C)	-0.02 ± 0.02
Temperature Coefficients of V <sub>m</sub> (% / °C)	-0.41 ± 0.03
Temperature Coefficients of P <sub>m</sub> (% / °C)	-0.39 ± 0.05

## IV Curves



## Options Available

SolarEdge Integrated

