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**Solar Panel Guide  
Specification Data Sheet**

**Anhui Uzon Photovoltaic Technology Co., Ltd.**

**UZ156M370-380-72-5BB**

**UZ156M380-72**

Also available on the web at  
[EnergyPal.com/anhui-uzon-photovoltaic-technology-co-ltd-solar-panels/uz156m380-](http://EnergyPal.com/anhui-uzon-photovoltaic-technology-co-ltd-solar-panels/uz156m380-72)

# UzonHalo™

High Tech Leads Industry



## 370W~380W

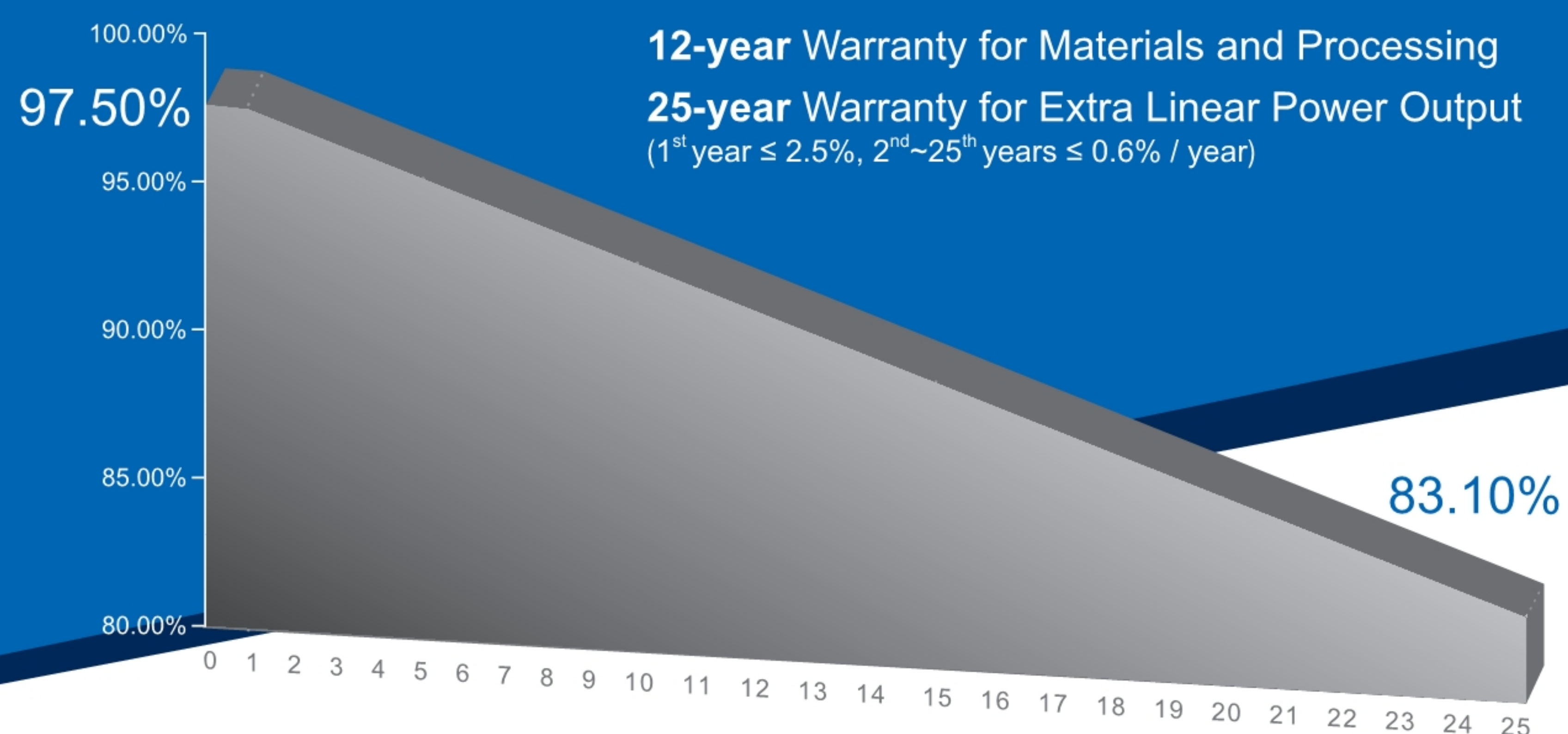
### 5BB-Monocrystalline PV Module

#### UZM380-72 Series (156.75)

#### UZM380-72/HV Series (156.75)

UZM380-72 max system voltage 1000V standard

UZM380-72/HV max system voltage 1500V standard



### KEY FEATURES

- +5W OUTPUT POSITIVE TOLERANCE**  
Guaranteed 0~+5W positive tolerance ensures power output reliability.
- PERC INNOVATIVE PERC CELL TECHNOLOGY**  
Excellent cell efficiency and output.
- LOWER TEMPERATURE COEFFICIENT**  
Improved temperature coefficient decreases power loss in the high temperature application.
- HIGHER RELIABILITY AND DURABILITY**  
Effectively deals with harsh environments, such as sand, salt mist and ammonia resistance.
- PASSED HAIL TEST**  
Certified to hail resistance: ice ball size (d=45mm) and ice ball velocity (v=30.7m/s).
- Anti PID PID RESISTANCE**  
Excellent PID resistance at 96 hours (@85°C /85%) test, and also can be improved to meet higher standards for the particularly harsh environment.

### COMPREHENSIVE CERTIFICATES



For Global Market

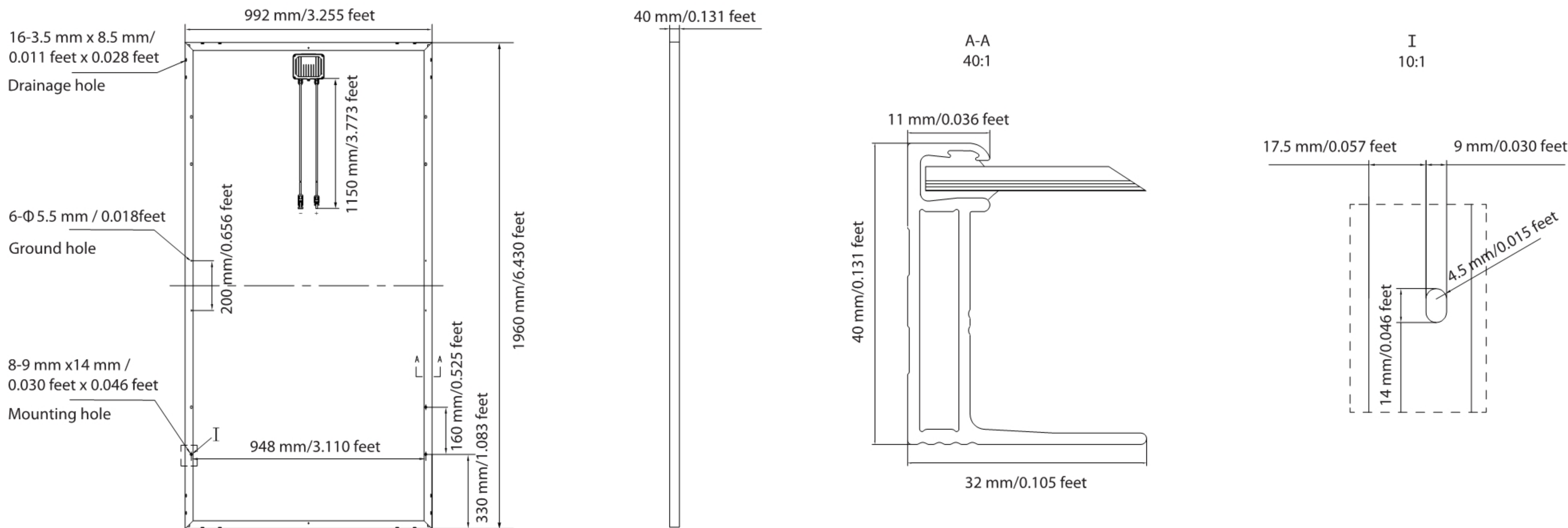
ELECTRICAL SPECIFICATIONS			
STC rated output (P <sub>mpp</sub> )*	370 Wp	375 Wp	380 Wp
Rated voltage (V <sub>mpp</sub> ) at STC	39.56 V	39.76 V	39.89 V
Rated current (I <sub>mpp</sub> ) at STC	9.36 A	9.45 A	9.54 A
Open circuit voltage (V <sub>oc</sub> ) at STC	48.36 V	48.45 V	48.61 V
Short circuit current (I <sub>sc</sub> ) at STC	9.91 A	9.94 A	9.99 A
Module efficiency	19.0%	19.3%	19.5%
Rated output (P <sub>mpp</sub> ) at NMOT	272.5 Wp	276.2 Wp	279.9 Wp
Rated voltage (V <sub>mpp</sub> ) at NMOT	36.50 V	36.64 V	36.78 V
Rated current (I <sub>mpp</sub> ) at NMOT	7.47 A	7.54 A	7.61 A
Open circuit voltage (V <sub>oc</sub> ) at NMOT	44.84 V	44.72 V	45.07 V
Short circuit current (I <sub>sc</sub> ) at NMOT	7.96 A	7.99 A	8.03 A
Temperature coefficient (P <sub>mpp</sub> )	- 0.376%/°C		
Temperature coefficient (I <sub>sc</sub> )	+0.043%/°C		
Temperature coefficient (V <sub>oc</sub> )	- 0.282%/°C		
Nominal module operating temperature (NMOT)	46±2°C		
Maximum system voltage (IEC/UL)	1000V <sub>DC</sub> or 1500V <sub>DC</sub>		
Number of diodes	3		
Junction box IP rating	IP 67		
Maximum series fuse rating	20 A		

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5  
 NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

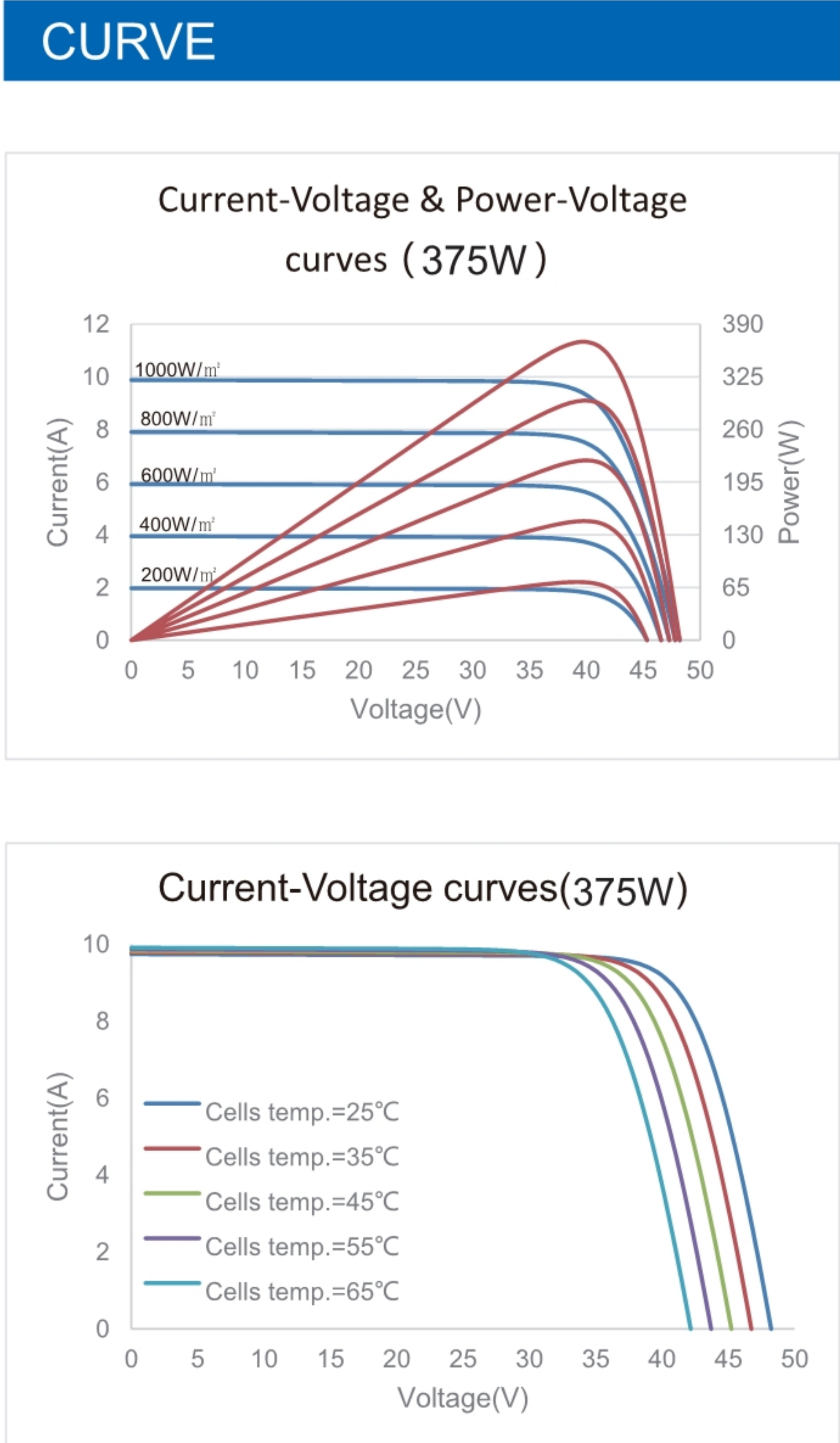
MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	1960 x 992 x 40 mm 77.17 x 39.06 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Front glass thickness	3.2 mm / 0.13 in
① Cable length (IEC/UL)	1150 mm / 45.28 in
Cable diameter (IEC/UL)	4 mm <sup>2</sup> / 12 AWG
② Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class C (IEC) or Type 1 (UL)
Connector type (IEC/UL)	MC4 compatible

- ① Option: 900(+) /600(-) mm for defined projects in advance.  
 ② Refer to Crystalline Silicon PV Module Installation Manual or contact technical department.  
 Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

## MODULE DIMENSION DETAILS



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PACKING SPECIFICATIONS	
① Weight (module only)	21.9 kg / 48.28 lbs
② Packing unit	27 pcs / box
Weight of packing unit (for 40'HQ container)	636 kg / 1402 lbs
Number of modules per 40'HQ container	648 pcs

① Tolerance +/- 1.0kg  
 ② Subject to sales contract