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Solar Panel Guide Specification Data Sheet

Anhui Uzon Photovoltaic Technology Co., Ltd.

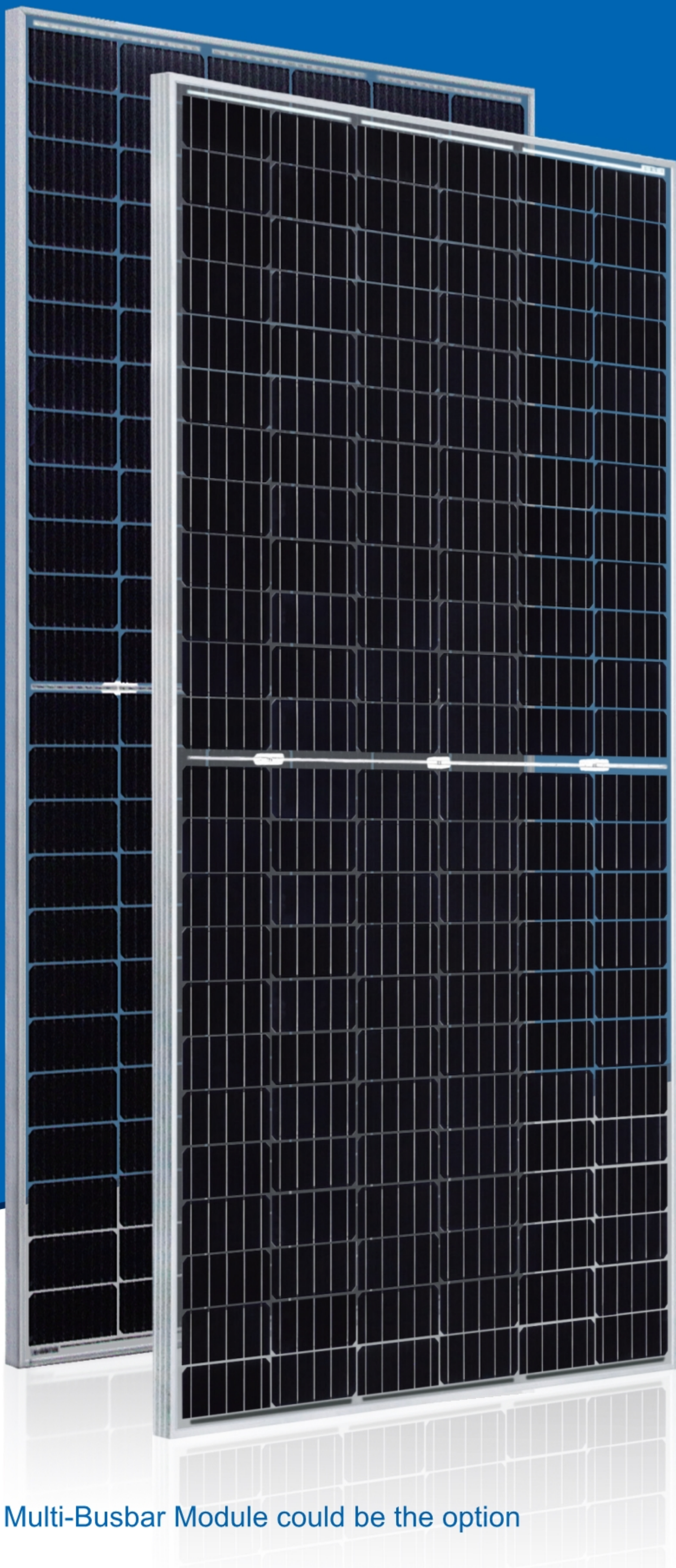
UZ156MHCDG370-385-72-5BB

UZ156MHCDG385-72

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Multi-Busbar Module could be the option

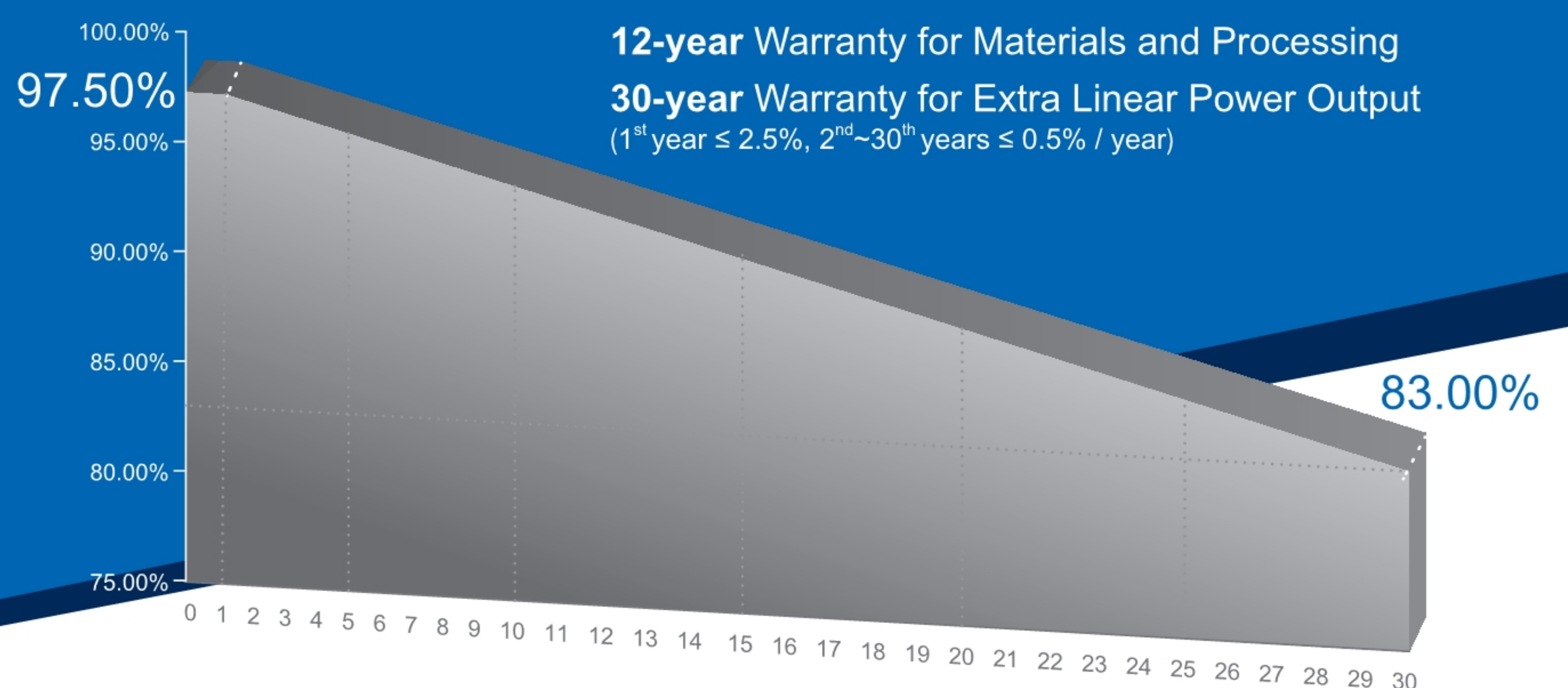
370W~385W

P-type Monocrystalline PV Module

UZM385-72DGBH

Series (156.75)

UZM385-72DGBH is bifacial module with high transparent glass



KEY FEATURES

- OUTPUT POSITIVE TOLERANCE**
 Guaranteed 0~+5W positive tolerance ensures power output reliability.
- ENHANCED FIRE PERFORMANCE**
 Fire Class A certified according to IEC standard.
- EXCELLENT WEATHER RESISTANCE**
 Reduces the cell micro-crack and extended product warranty.
- BIFACIAL POWER**
 The backside makes use of the reflected and scattered light from the surroundings, the modules can yield up to 5%~30% power more, depending on the albedo.
- REDUCE INTERNAL MISMATCH LOSS**
 Reduces mismatch loss and improves output.
- APPLICABLE FOR MULTI DIFFERENT ENVIRONMENTS**
 The wide range of applications, such as BIPV, vertical installation, snow area, high humidity area and strong sandstorm area, etc.
- SNAIL TRAIL RESISTANCE**
 Reduces the probability of snail trails with zero water vapor transmittance.

COMPREHENSIVE CERTIFICATES



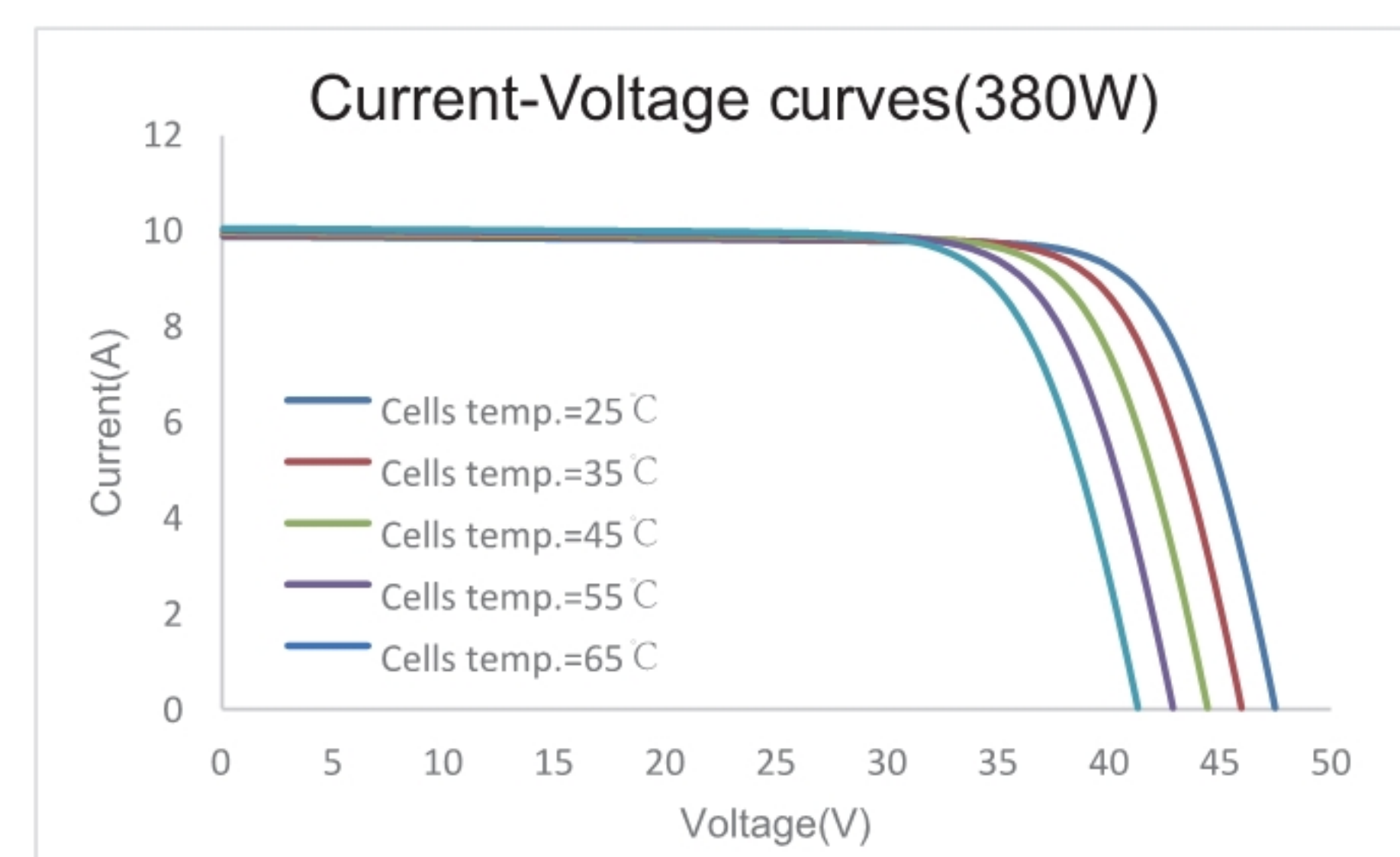
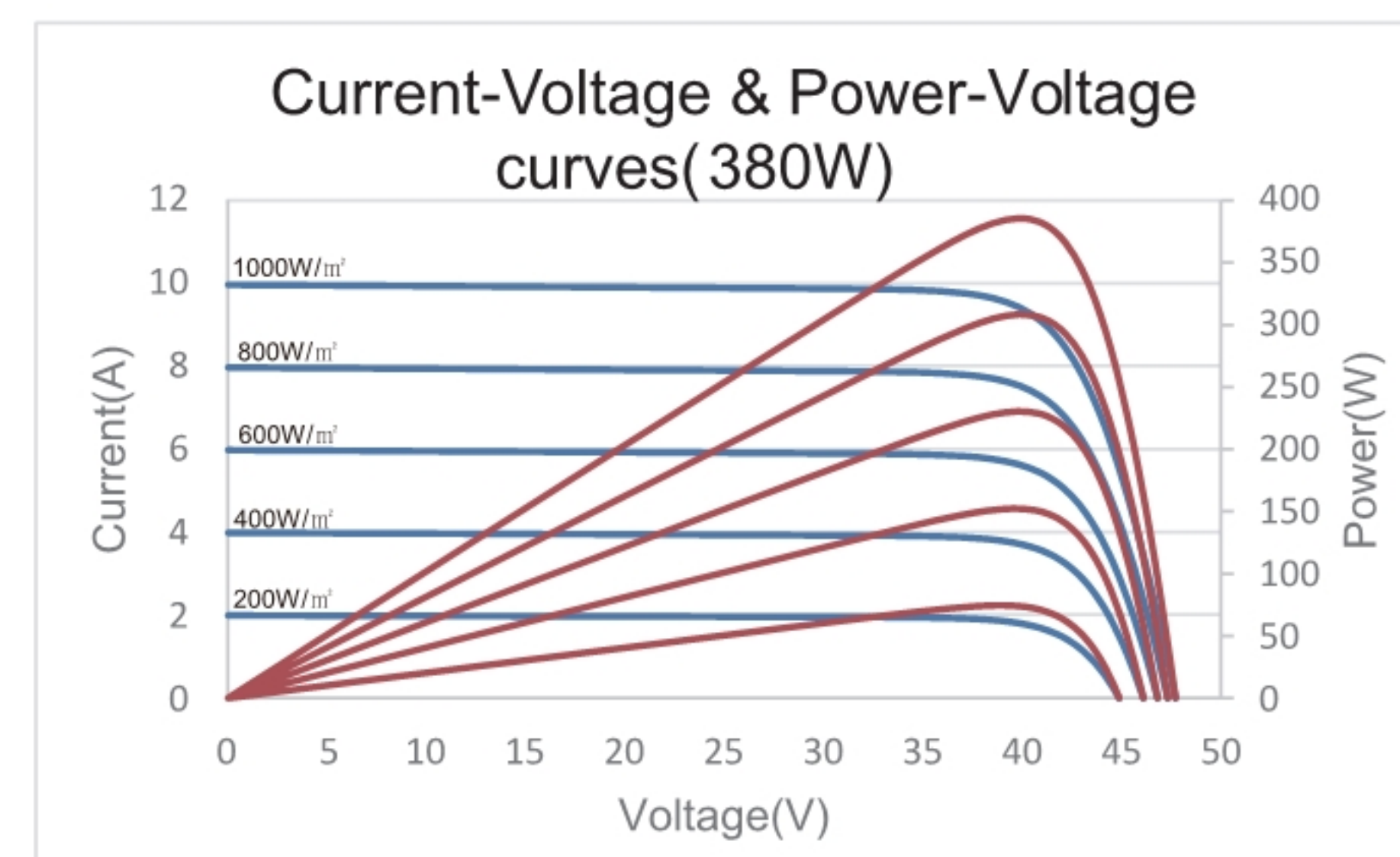
For Global Market

ELECTRICAL SPECIFICATIONS

Power rating (front)	370 Wp		375 Wp		380 Wp		385 Wp	
	Front	Back	Front	Back	Front	Back	Front	Back
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back
STC rated output (P_{mpp}/Wp)*	370	278	375	281	380	285	385	289
Rated voltage (V_{mpp}/V) at STC	39.55	40.08	39.77	40.31	40.00	40.54	40.23	40.77
Rated current (I_{mpp}/A) at STC	9.36	6.93	9.43	6.98	9.50	7.03	9.57	7.08
Open circuit voltage (V_{oc}/V) at STC	47.26	45.84	47.44	46.02	47.62	46.19	47.80	46.37
Short circuit current (I_{sc}/A) at STC	9.81	7.26	9.89	7.32	9.97	7.38	10.05	7.44
Module efficiency	18.4%	13.8%	18.6%	14.0%	18.9%	14.2%	19.1%	14.3%
Temperature coefficient (P_{mpp})	- 0.3528%/°C							
Temperature coefficient (I_{sc})	+0.0400%/°C							
Temperature coefficient (V_{oc})	- 0.2769%/°C							
Nominal module operating temperature (NMOT)	44±2°C							
Maximum system voltage (IEC/UL)	1500V _{DC}							
Number of diodes	3							
Junction box IP rating	IP 68							
Maximum series fuse rating	20 A							

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

CURVE



ELECTRICAL SPECIFICATIONS (Integrated power)

P_{mpp} gain	P_{mpp}	V_{mpp}	I_{mpp}	V_{oc}	I_{sc}
5%	399 Wp	40.00 V	9.98 A	47.62 V	10.47 A
10%	418 Wp	40.00 V	10.45 A	47.62 V	10.97 A
15%	437 Wp	39.90 V	10.95 A	47.72 V	11.47 A
20%	456 Wp	39.90 V	11.43 A	47.72 V	11.96 A
25%	475 Wp	39.90 V	11.90 A	47.72 V	12.46 A

Electrical characteristics with different rear power gain (reference to 380W)

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	2018 x 998 x 30 mm 79.45 x 39.29 x 1.18 in
Module composition	Glass / POE / Glass
Glass thickness	2.5 mm / 0.098 in
Cable length (IEC/UL)	Portrait: 350 mm (13.78 in) Landscape: 1200 mm (47.24 in)
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class A (IEC) or Type 3 (UL)
Connector type (IEC/UL)	MC4 compatible

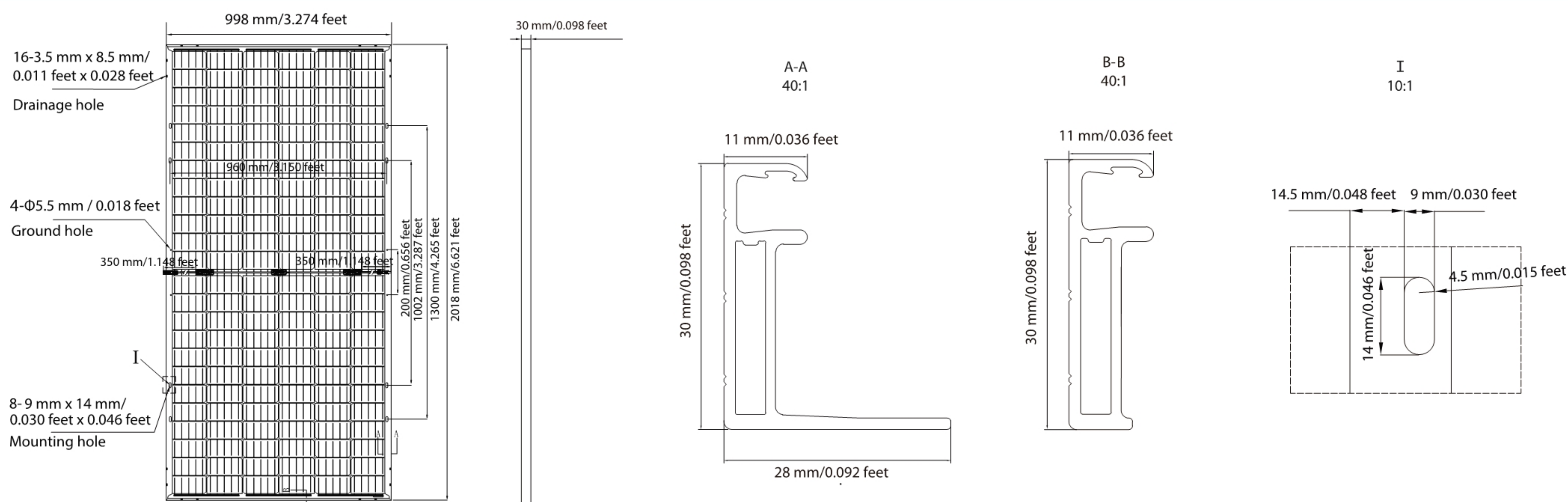
① Refer to Crystalline Silicon PV Module Installation Manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

PACKING SPECIFICATIONS

① Weight (module only)	30.1 kg / 66.36 lbs
② Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	1131 kg / 2493 lbs
Number of modules per 40'HQ container	792 pcs

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

MODULE DIMENSION DETAILS



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