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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

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

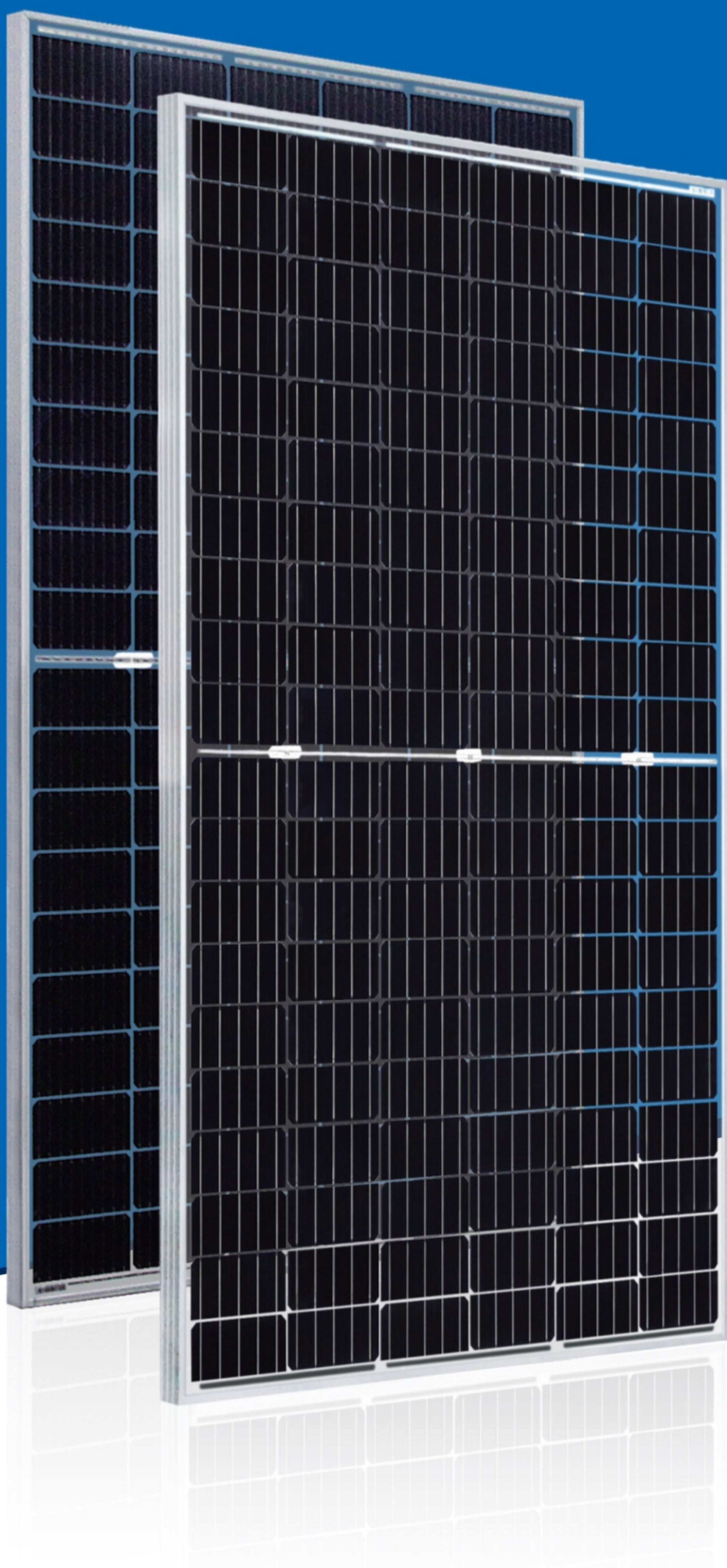
**UZ156MHCDG310-330-60-5BB**

**UZ156MHCDG315-60**

Also available on the web at  
[EnergyPal.com/anhui-uzon-photovoltaic-technology-co-ltd-solar-panels/uz156mhcdg315-60](http://EnergyPal.com/anhui-uzon-photovoltaic-technology-co-ltd-solar-panels/uz156mhcdg315-60)

# UzonTwins™

Enjoy the Energy of the Universe



Multi-Busbar Module could be the option

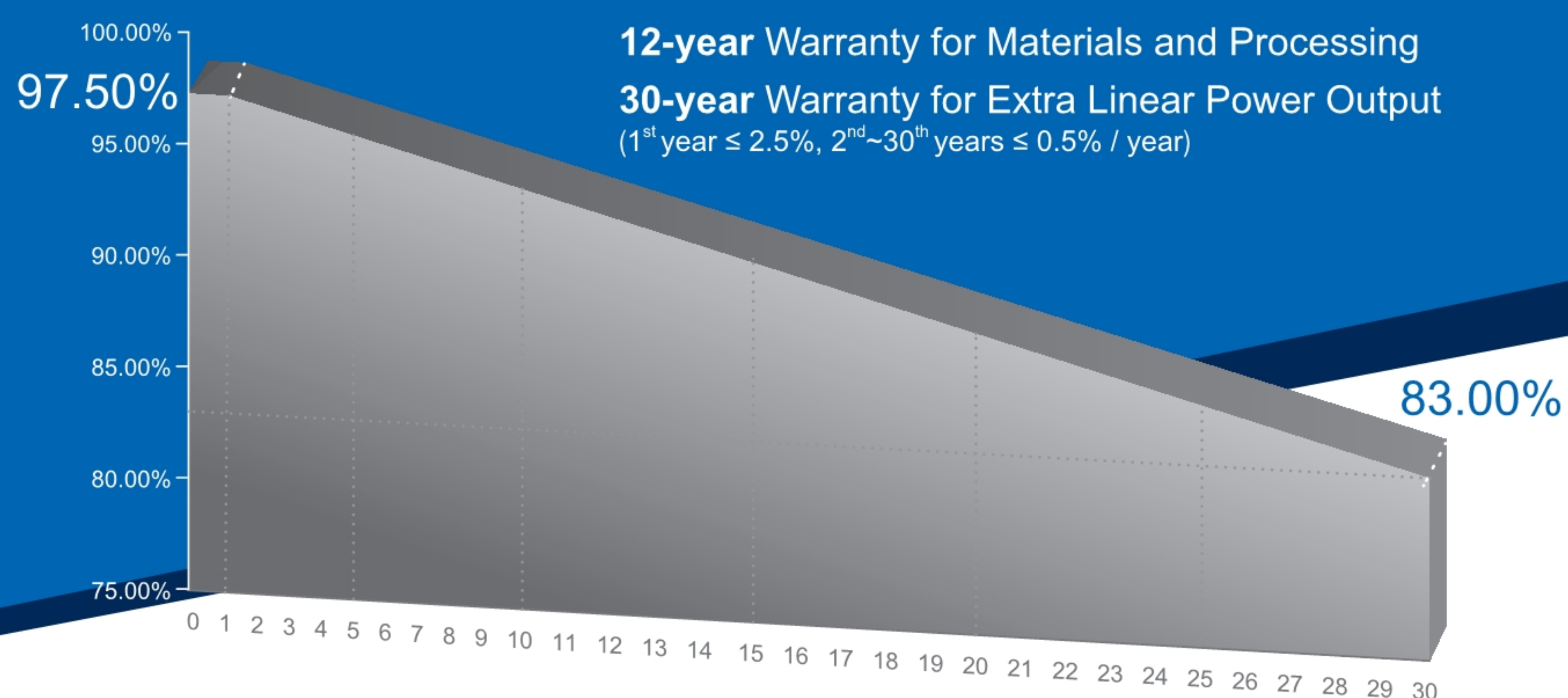
## 310W~330W

P-type Monocrystalline PV Module

**UZM330-60DGBH**

Series (156.75)

UZM330-60DGBH 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



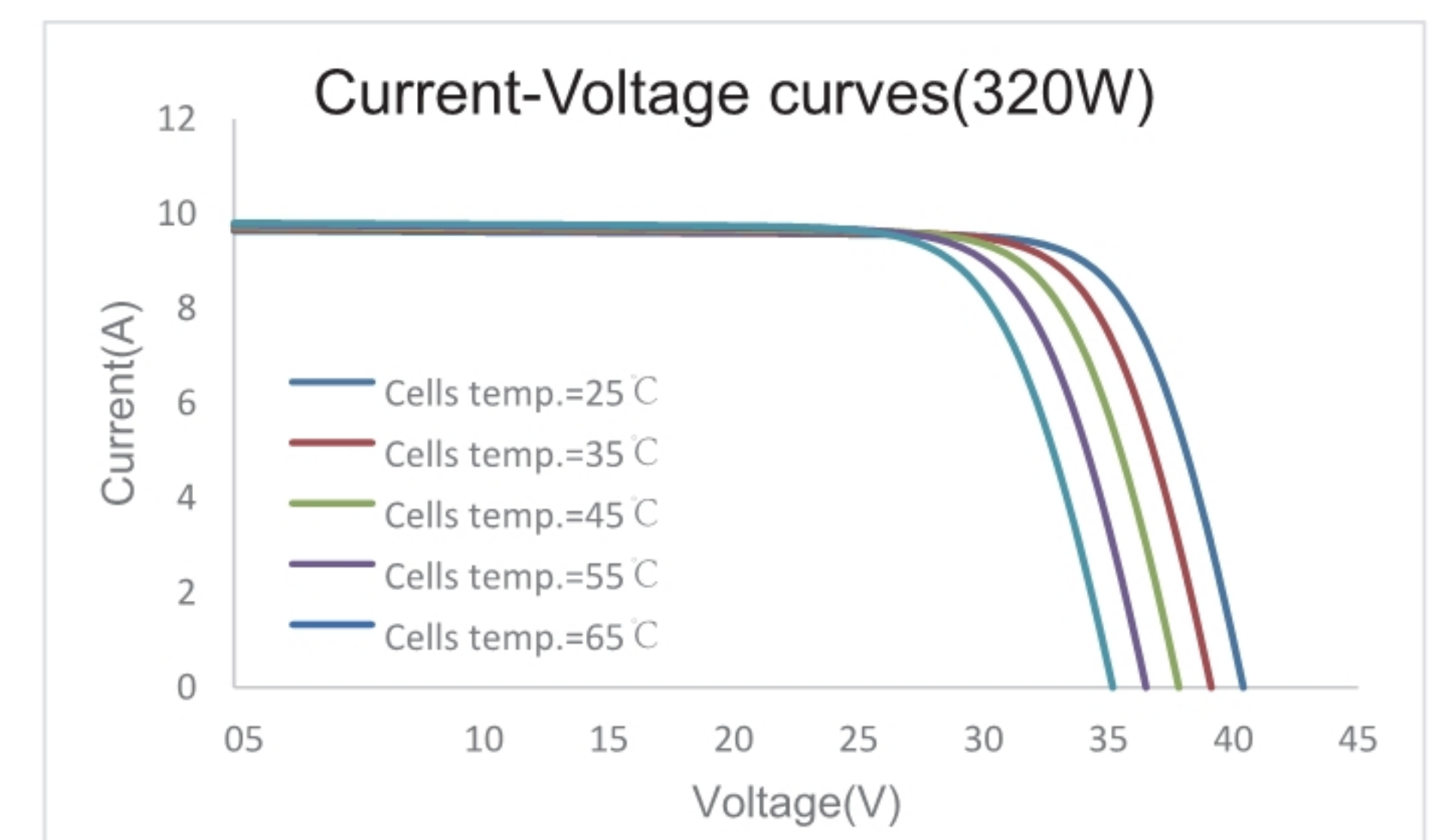
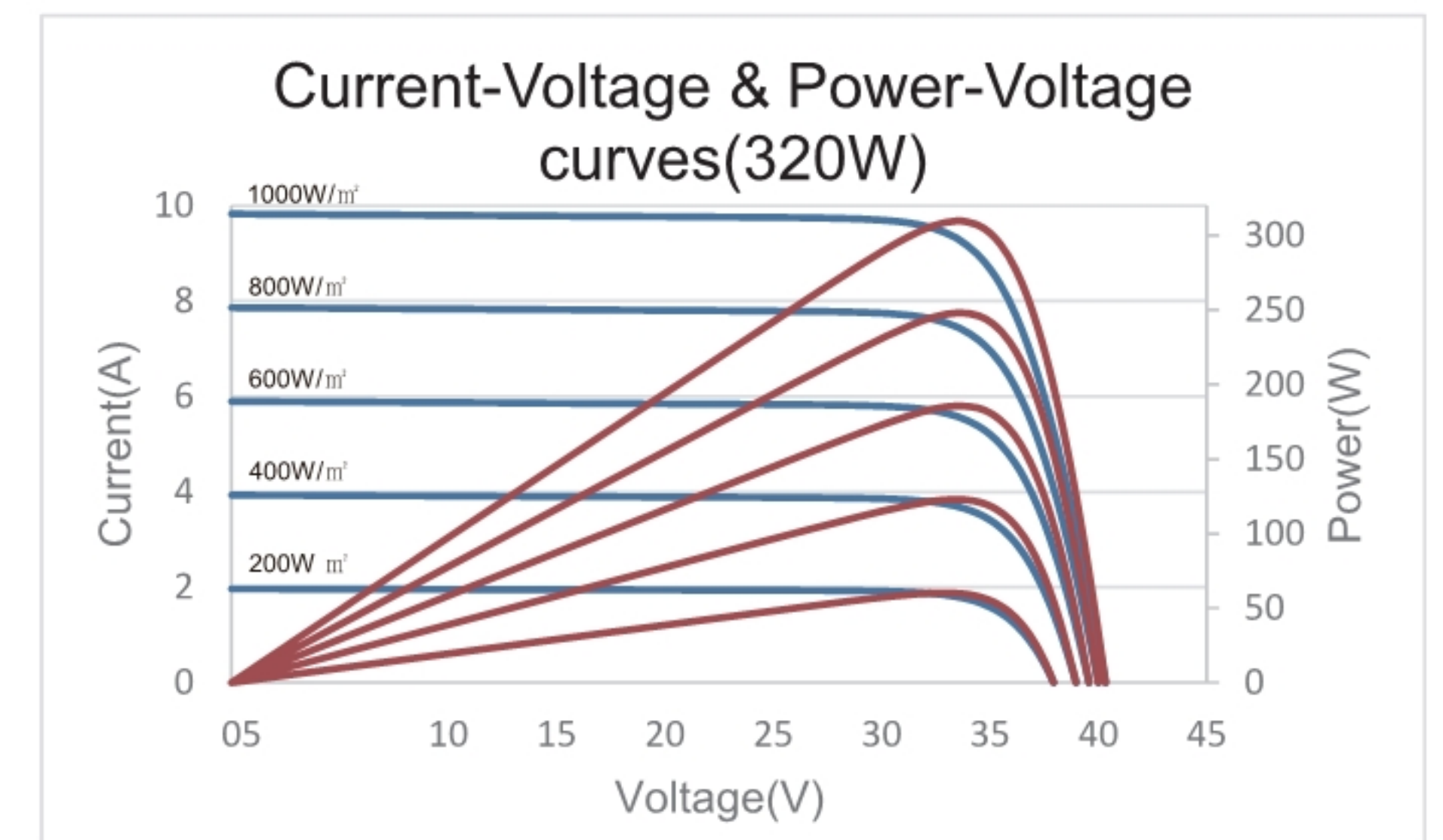
For Global Market

## ELECTRICAL SPECIFICATIONS

Power rating (front)	310 Wp		315 Wp		320 Wp		325 Wp		330 Wp	
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back
STC rated output ( $P_{mpp}/Wp$ )*	310	233	315	236	320	240	325	244	330	248
Rated voltage ( $V_{mpp}/V$ ) at STC	33.41	33.86	33.66	34.12	33.91	34.37	34.15	34.61	34.39	34.86
Rated current ( $I_{mpp}/A$ ) at STC	9.28	6.87	9.36	6.93	9.44	6.99	9.52	7.04	9.60	7.10
Open circuit voltage ( $V_{oc}/V$ ) at STC	40.06	38.86	40.25	39.04	40.44	39.22	40.63	39.41	40.82	39.59
Short circuit current ( $I_{sc}/A$ ) at STC	9.72	7.19	9.79	7.24	9.86	7.30	9.93	7.35	10.00	7.40
Module efficiency	18.3%	13.7%	18.6%	14.0%	18.9%	14.2%	19.2%	14.4%	19.5%	14.7%
Temperature coefficient ( $P_{mpp}$ )	- 0.3438%/°C									
Temperature coefficient ( $I_{sc}$ )	+0.0353%/°C									
Temperature coefficient ( $V_{oc}$ )	- 0.2722%/°C									
Nominal module operating temperature (NMOT)	44±2°C									
Maximum system voltage (IEC/UL)	1500V <sub>DC</sub>									
Number of diodes	3									
Junction box IP rating	IP 68									
Maximum series fuse rating	20 A									

STC: Irradiance 1000W/m<sup>2</sup>, 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%	336 Wp	33.91 V	9.91 A	40.44 V	10.35 A
10%	352 Wp	33.91 V	10.38 A	40.44 V	10.85 A
15%	368 Wp	33.81 V	10.88 A	40.54 V	11.34 A
20%	384 Wp	33.81 V	11.36 A	40.54 V	11.83 A
25%	400 Wp	33.81 V	11.83 A	40.54 V	12.32 A

Electrical characteristics with different rear power gain (reference to 320W)

## MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1696 x 998 x 30 mm 66.77 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: 1100 mm (43.31 in)
Cable diameter (IEC/UL)	4 mm <sup>2</sup> / 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

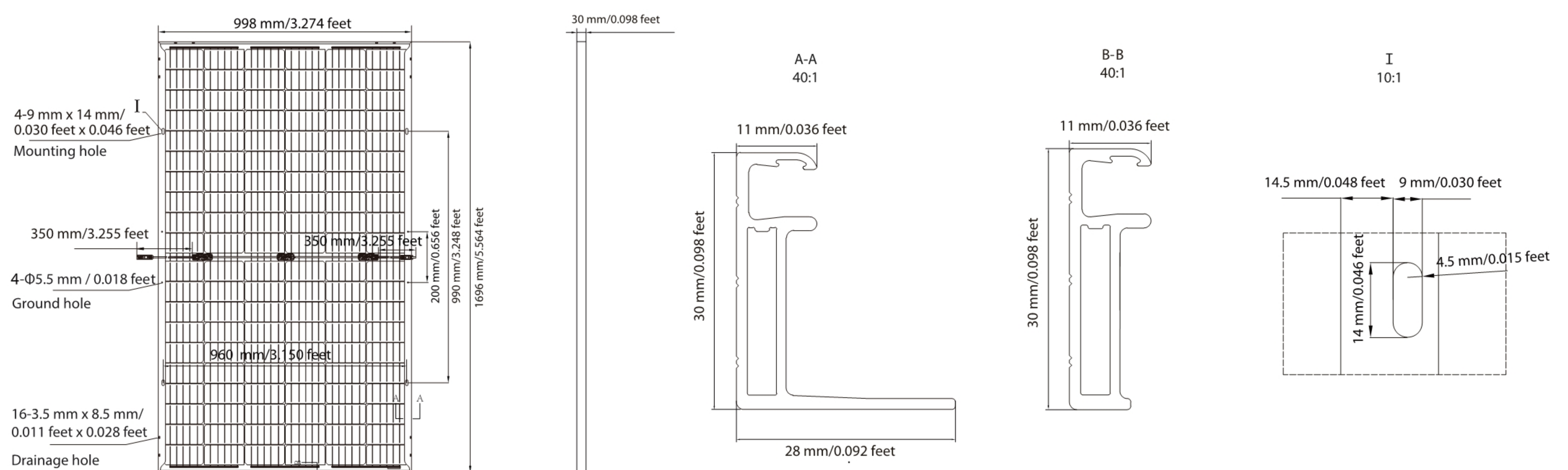
① Refer to Crystalline Silicon PV Module Installation Manual or contact technical department.  
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

## PACKING SPECIFICATIONS

① Weight (module only)	25.3 kg / 55.78 lbs
② Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	953 kg / 2101 lbs
Number of modules per 40'HQ container	936 pcs

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

## MODULE DIMENSION DETAILS



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