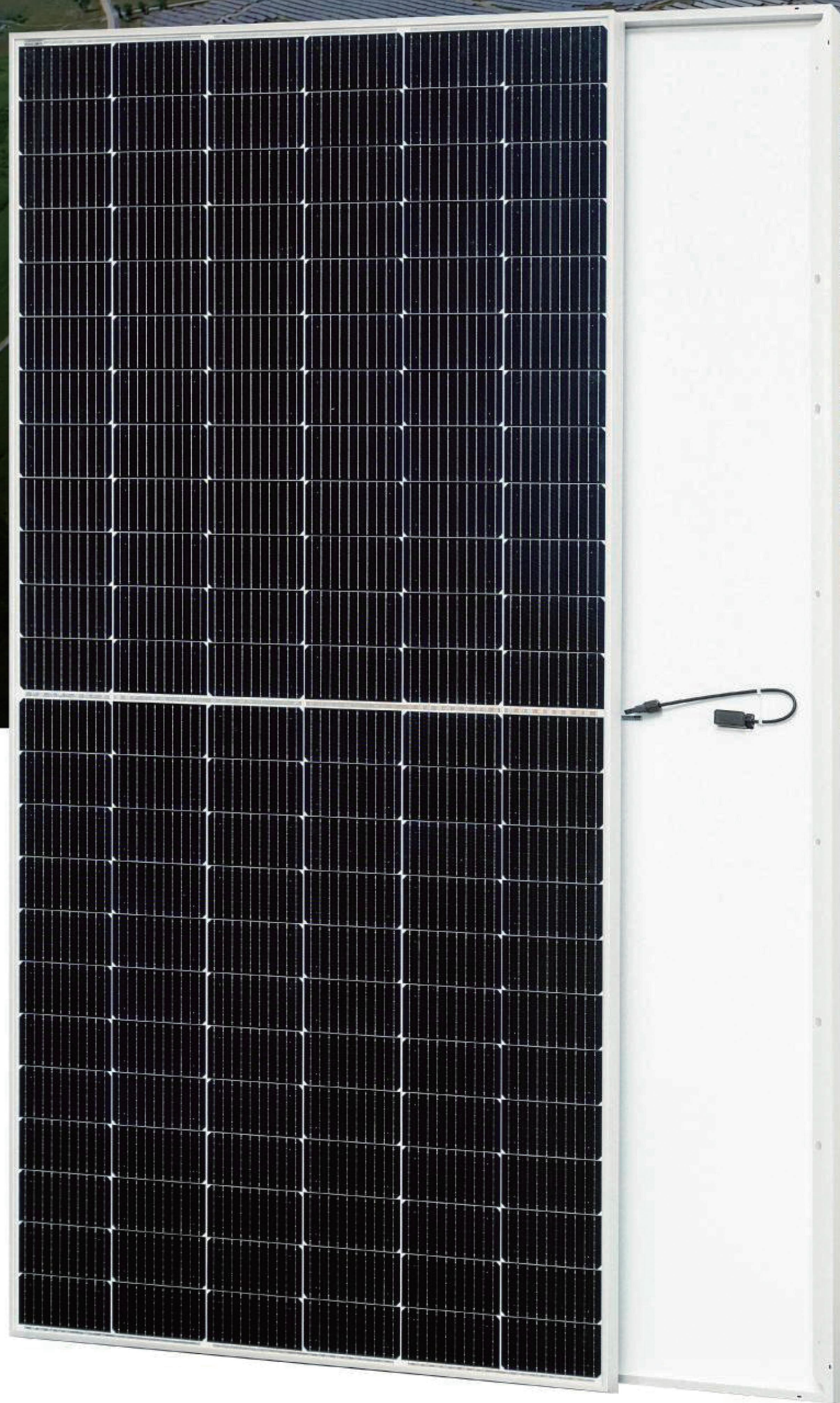




YCxxxPSF72 M10/2

The best quality p-type mono cells and production process.
Professional technology, reliable quality and power generation guarantee.



Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.



Half-cell Design

Less energy loss caused by shading due to new cell string layout and split J-box, and lower cell connection power loss due to half-cell design.



Power guarantee

First year attenuation $\leq 2\%$, 2-25 year anual attenuation $\leq 0.55\%$



Large size cell

The large cell design effectively increases module peak power and effectively reduces BOS costs, thereby reducing system costs.

21.87%

Module Efficiency

12YEAR

Product Warranty

0~+4.99W

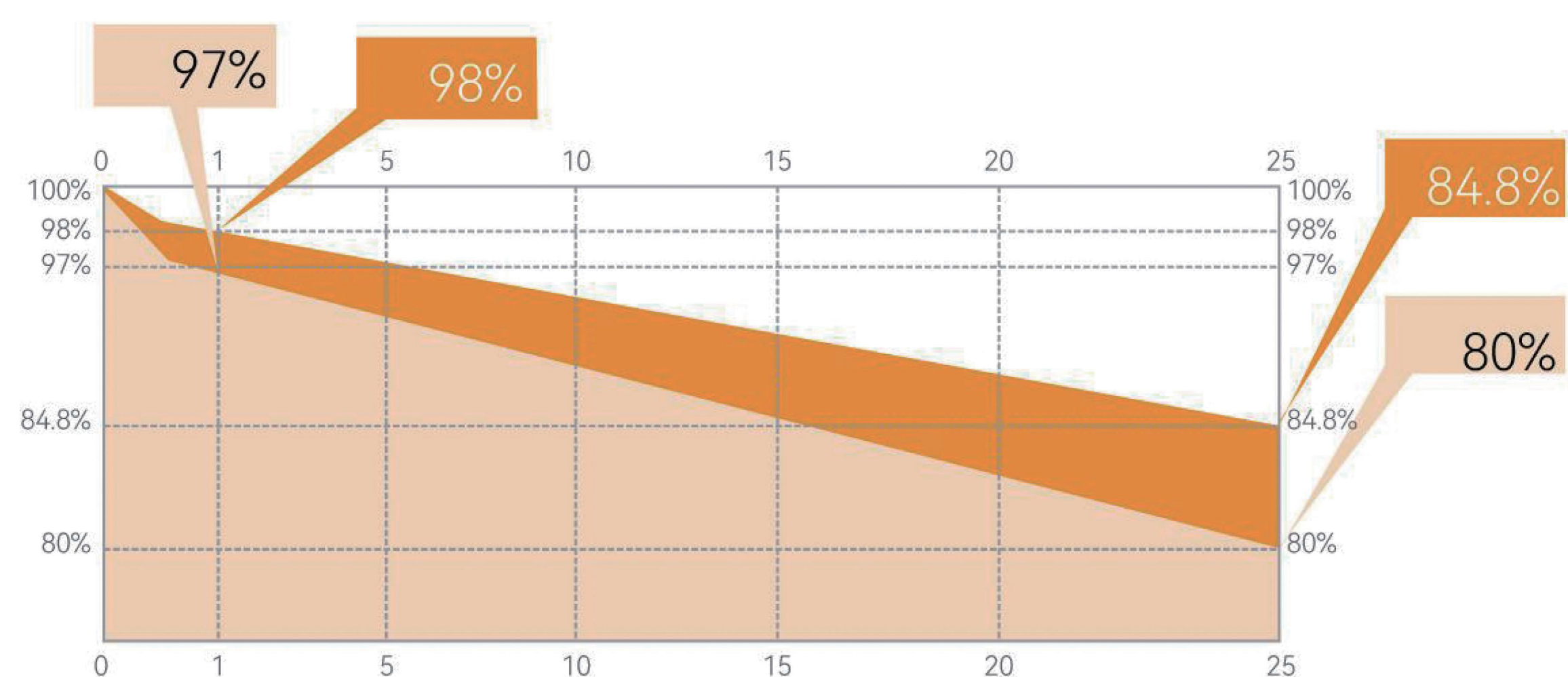
Power tolerance

QUALIFICATIONS & CERTIFICATES

IEC 61215, IEC 61730, CE, ISO 9001:2015,
ISO 14001:2015, ISO 45001:2018

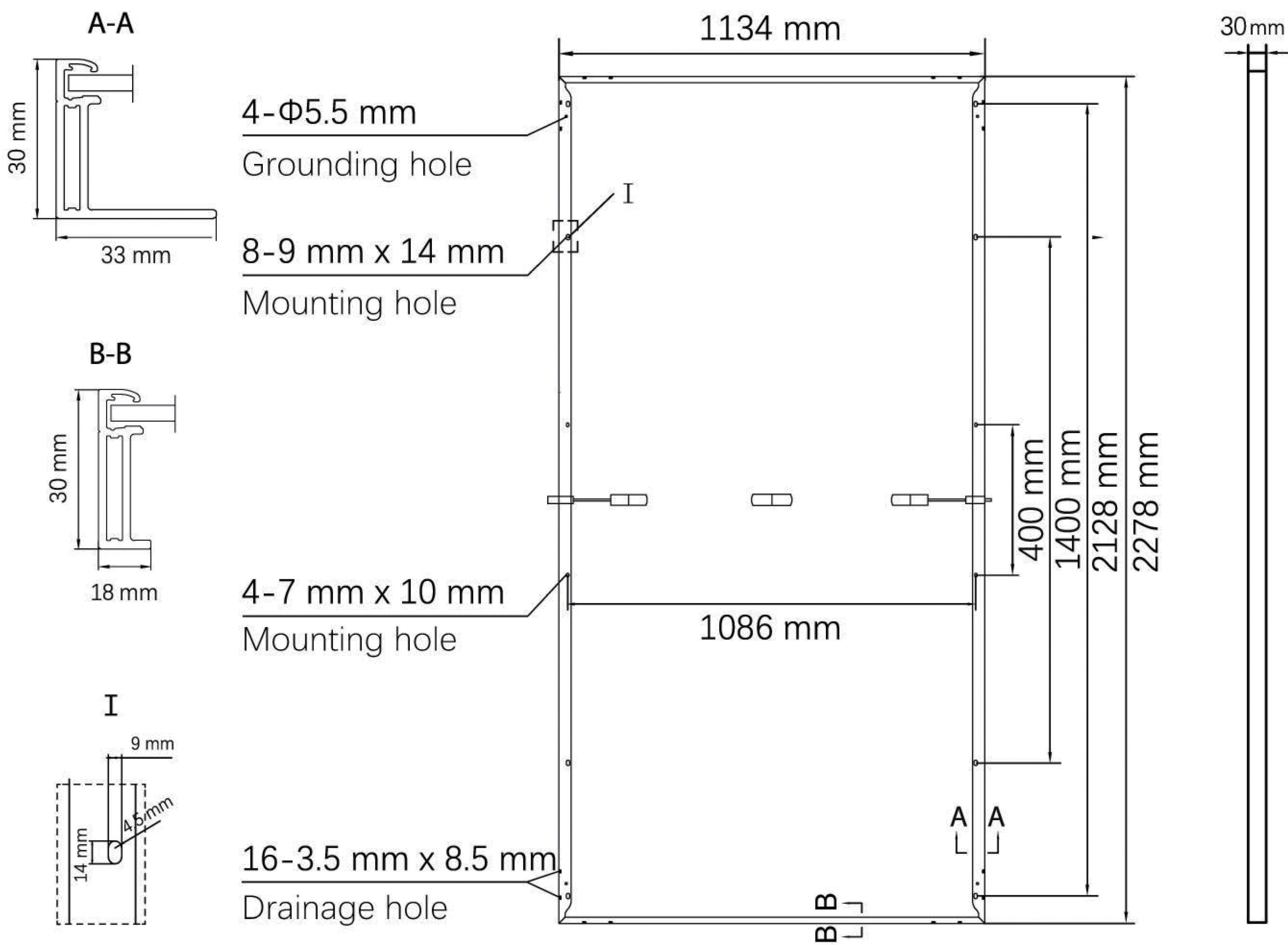
Linear Warranty

First year attenuation $\leq 2\%$, 2-25 year anual attenuation $\leq 0.55\%$



YC's Linear Performance Warranty Industry Standard Warranty

YCxxxPSF 72 M10/2



ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions(STC)

Module type	YC xxx PSF 72 M10/2 (xxx=Pmax)							
Power output	P _{max}	W	540	545	550	555	560	565
Power output tolerance	P _{max}	%	0~+4.99					
Module efficiency	η _m	%	20.90	21.10	21.29	21.48	21.68	21.87
Voltage at Pmax	V _{mpp}	V	41.4	41.6	41.8	42.0	42.2	42.4
Current at Pmax	I _{mpp}	A	13.05	13.11	13.16	13.22	13.28	13.33
Open-circuit voltage	V _{oc}	V	49.7	49.9	50.1	50.3	50.5	50.7
Short-circuit current	I _{sc}	A	13.78	13.84	13.90	13.96	14.02	14.08

STC:1000W/m² irradiance, 25℃ cell temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 3.3%at 200W/m² according to EN 60904-1.
Max test power tolerance±3%

Electrical parameters at Nominal Operating Cell Temperature(NOCT)

Power output	P _{max}	W	404.90	408.70	412.20	416.00	419.80	423.30
Voltage at Pmax	V _{mpp}	V	38.40	38.50	38.70	38.90	39.10	39.20
Current at Pmax	I _{mpp}	A	10.56	10.60	10.65	10.70	10.74	10.79
Open-circuit voltage	V _{oc}	V	46.50	46.70	46.80	47.00	47.20	47.40
Short-circuit current	I _{sc}	A	11.13	11.18	11.22	11.27	11.32	11.37

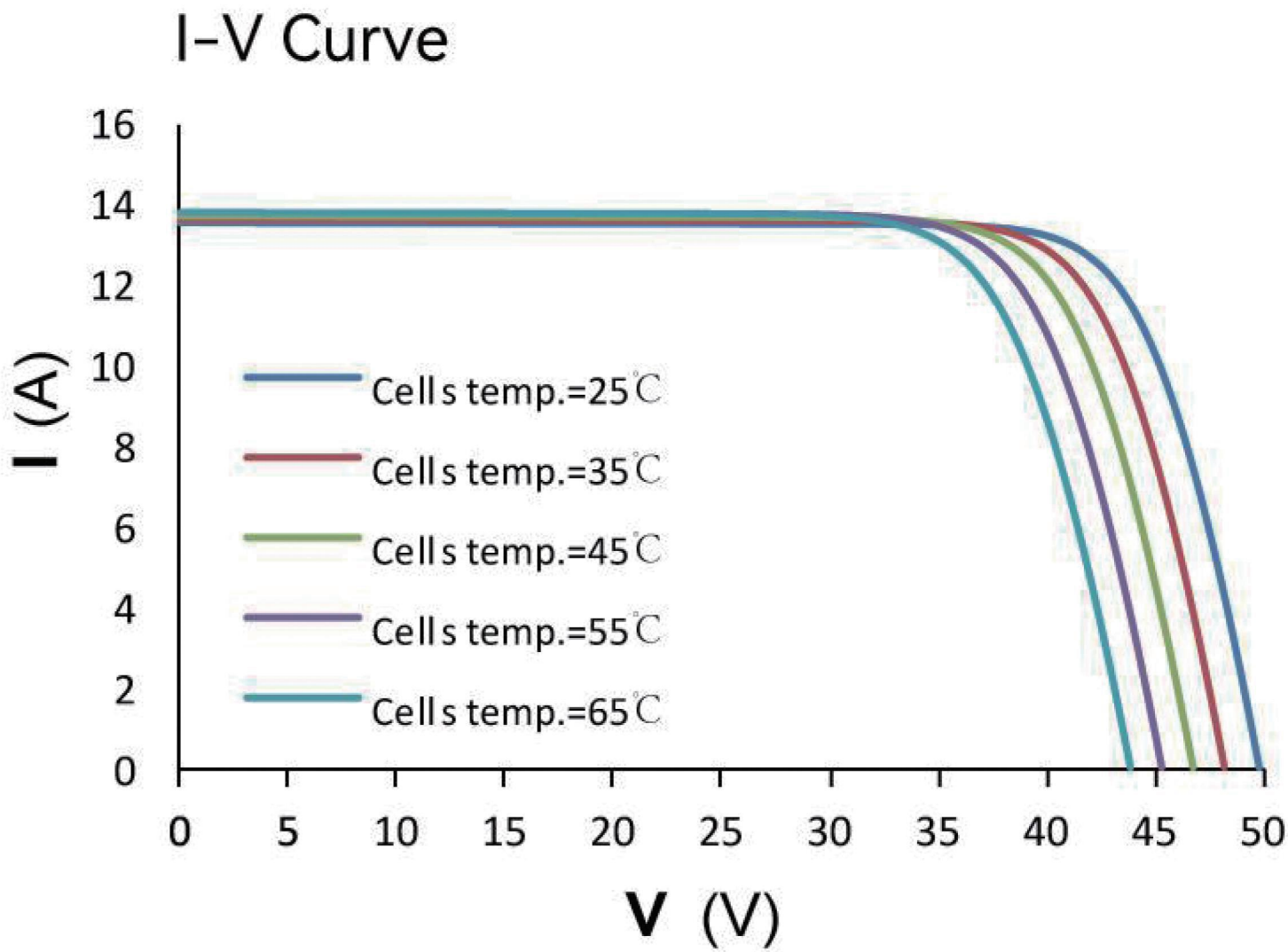
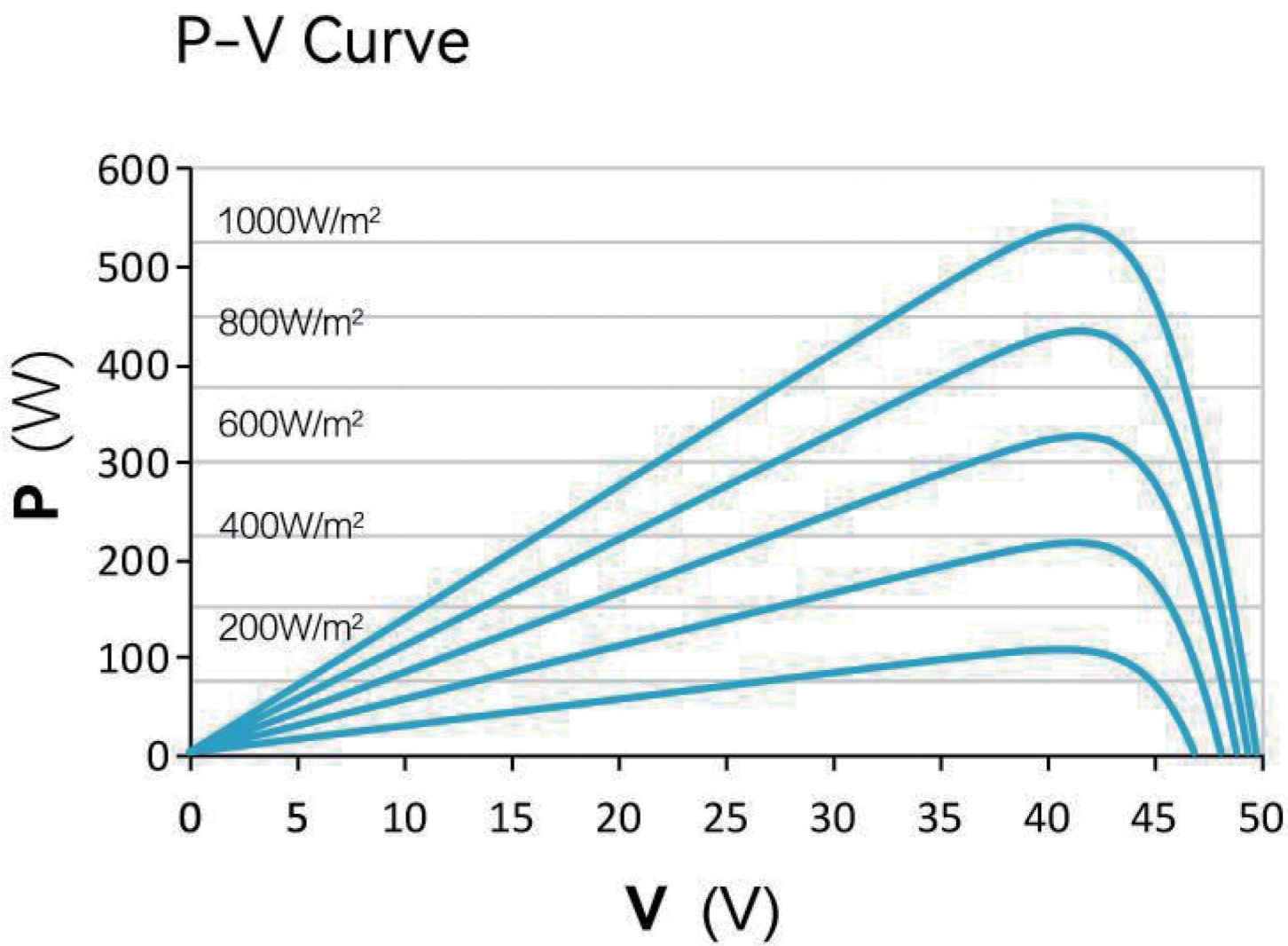
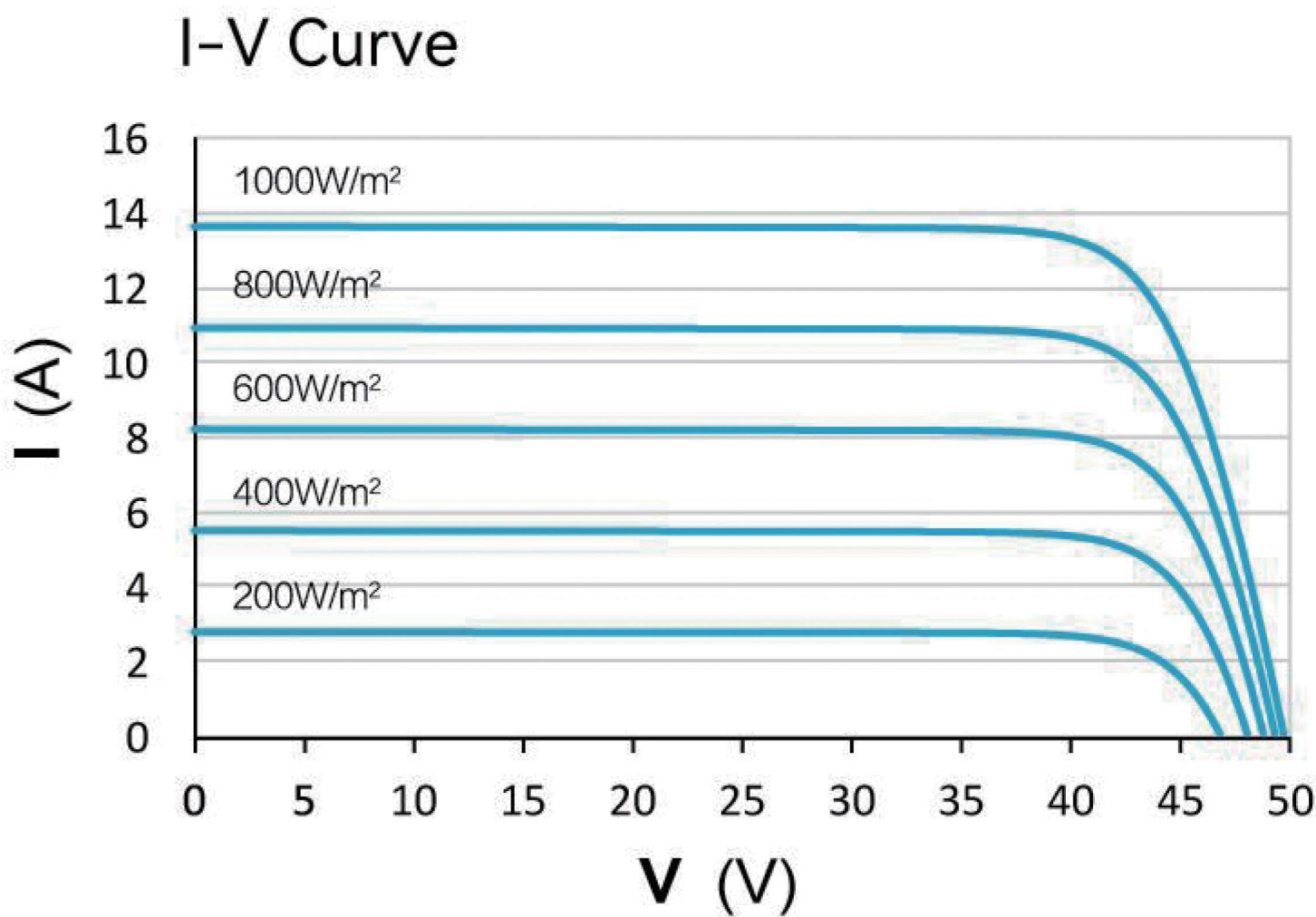
NOCT:open-circuit module operation temperature at 800W/m² iradiance, 20℃ambient temperature, 1m/s wind speed.

OTHER INFORMATIONS

Cell Orientation	144 (24×6)
J-Box	Split junction box, IP68, three diodes
Cable	4mm², positive 400mm/negative 200mm, length can be customized
Connectors	PV-XT101.2, Suzhou Xtong Photovoltaic Technologies Co., Ltd PV Modules manufactured in China.
Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Weight	26.6kg
Dimensions	2278×1134×30mm
Packaging	36 modules per pallet/26 pallets per 40HQ

Specifications included in this datasheet are subject to change without notice;
The right of final interpretation belongs to Yingchen New Energy Technology Co., LTD.

Characteristic curve



THERMAL CHARACTERISTICS

Temperature coefficient of Pmax	γ	%/° C	-0.350
Temperature coefficient of Voc	β _{Voc}	%/° C	-0.290
Temperature coefficient of Isc	α _{Isc}	%/° C	+0.050

OPERATING CONDITIONS

Operating temperature range	-40℃ 至 85℃
Power tolerance	0 ~+5W
Voc&Isc tolerance	±3%
Max.system voltage	1500Vdc
Max.series fuse rating	25A
Nominal operating cell temperature	45±2℃
Protection Class	Class II
Component fire rating	IEC Class C

DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection.

MECHANICAL LOADING

Max.static load, front (e. g. , snow)	5400 Pa
Max.static load, back (e. g. , wind)	2400 Pa
Max.hailstone impact (diameter/velocity)	25mm/23m/s



Warning:Read the Installation and User Manual in its entirety before handling, installing and operating YC Solar modules.

Yingchen New Energy Technology Co., LTD.
Add: Changgucheng Industrial Park, Tang County, Baoding, P. R. China