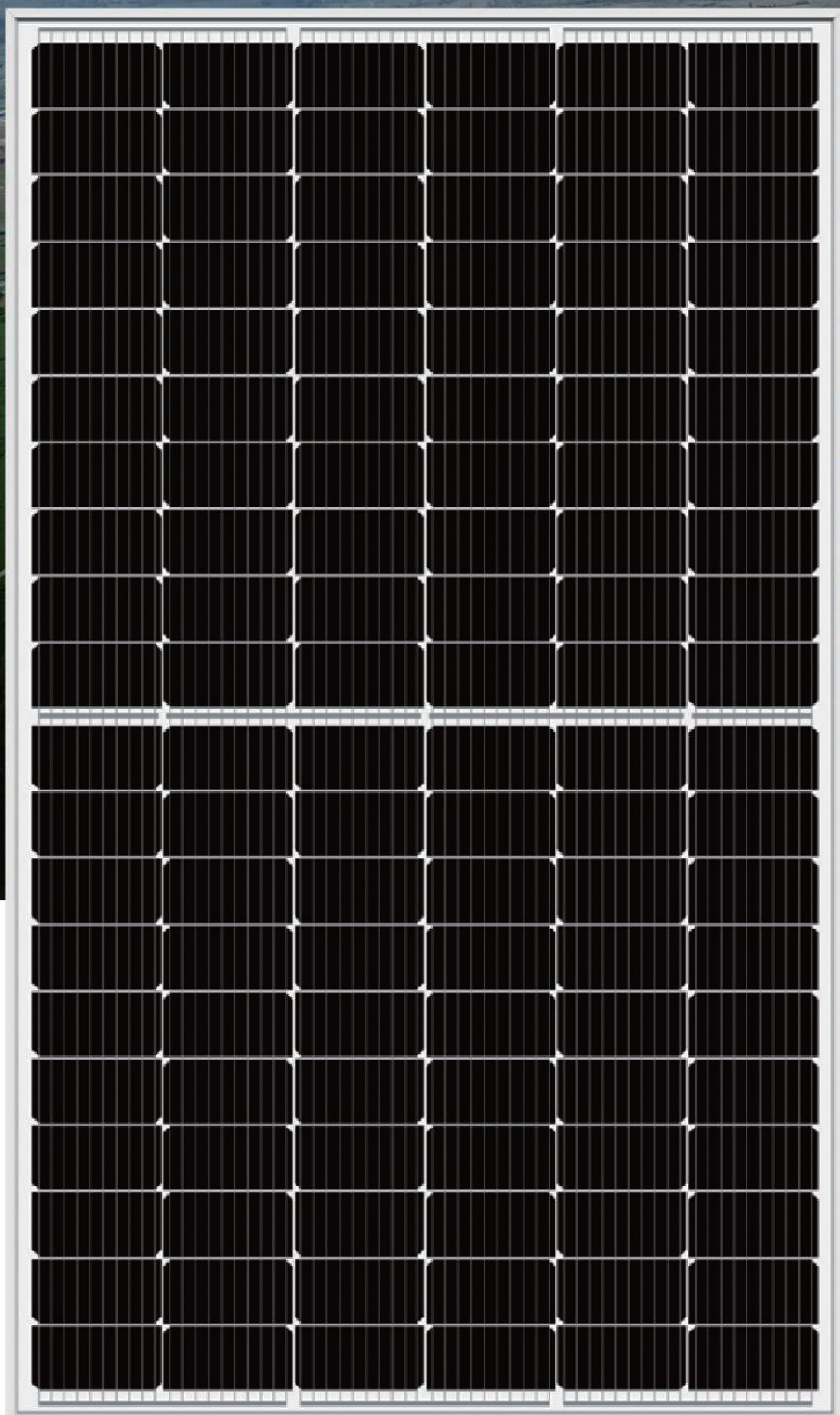




YCxxxPSF 60 M10/2

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.

21.32%

Module Efficiency

12YEAR

Product Warranty

0~+4.99W

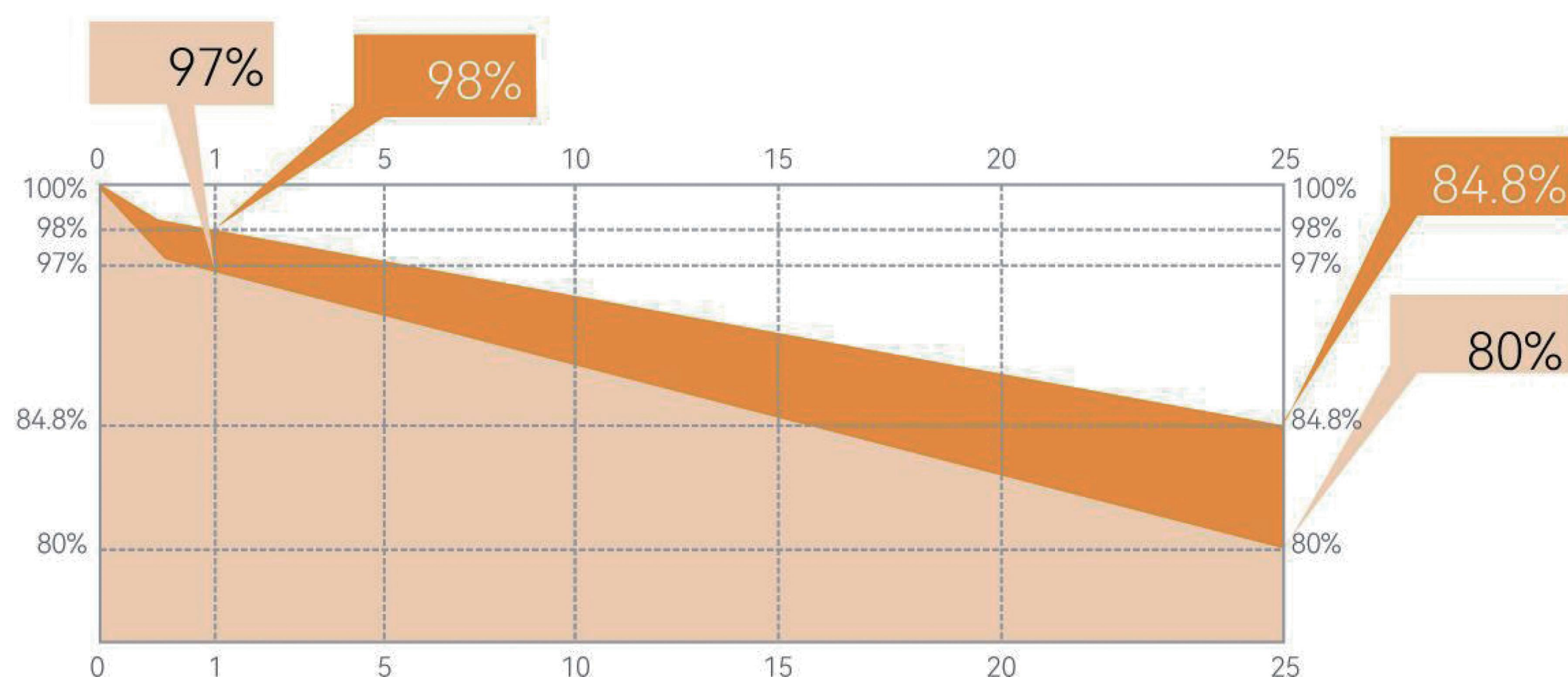
Power tolerance

QUALIFICATIONS & CERTIFICATES

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

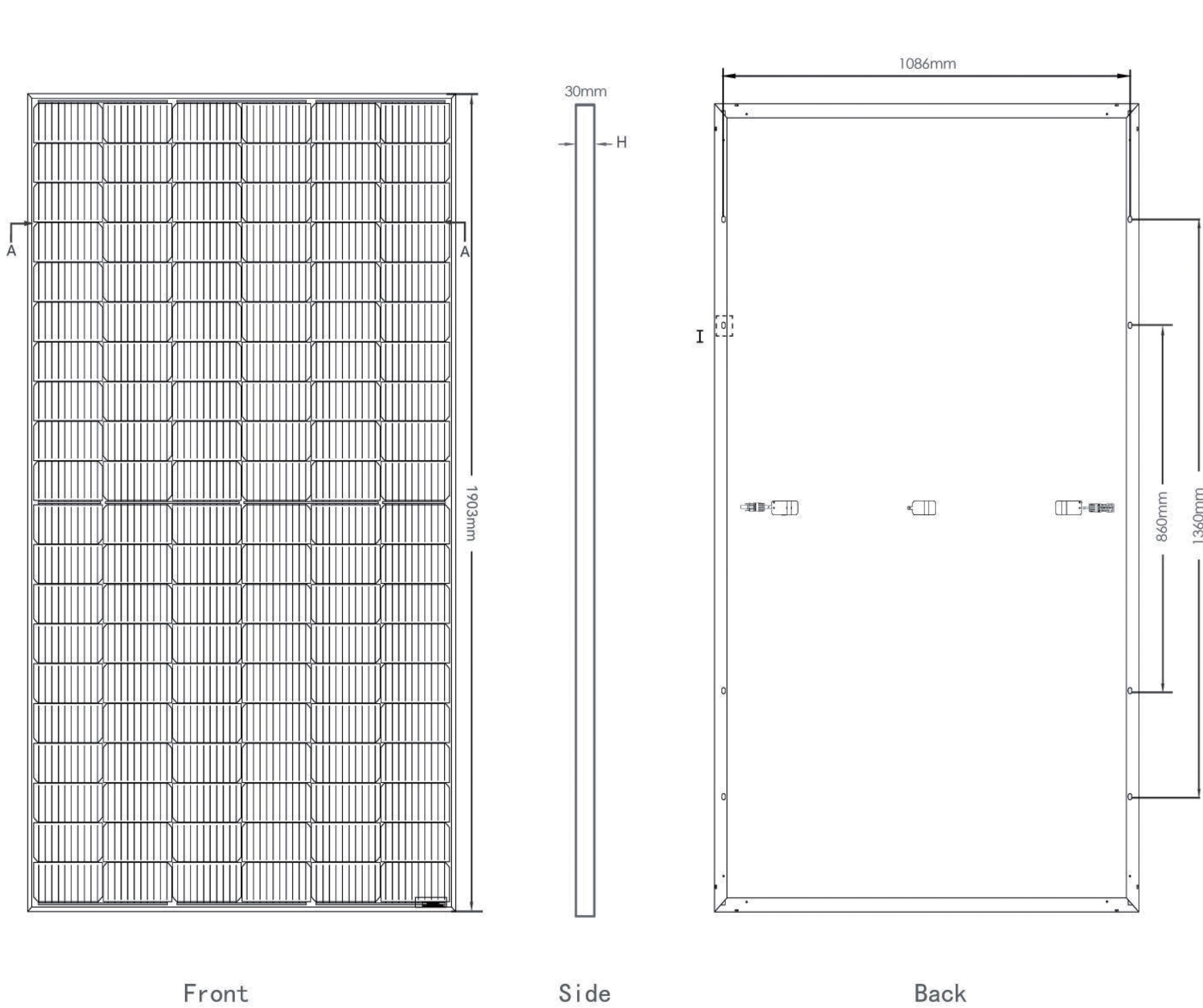
Linear Warranty

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



YC's Linear Performance Warranty Industry Standard Warranty

YCxxxPSF 60 M10/2



ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions(STC)

Module type	YC xxx PSF 60 M10/2 (xxx=Pmax)						
Power output	P _{max}	W	440	445	450	455	460
Power output tolerance	P _{max}		0~+4.99				
Module efficiency	η _m	%	20.39	20.62	20.85	21.08	21.32
Voltage at Pmax	V _{mpp}	V	34.1	34.3	34.5	34.7	34.9
Current at Pmax	I _{mpp}	A	12.91	12.98	13.05	13.12	13.19
Open-circuit voltage	V _{oc}	V	41.0	41.2	41.4	41.6	41.8
Short-circuit current	I _{sc}	A	13.64	13.71	13.78	13.85	13.92

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)

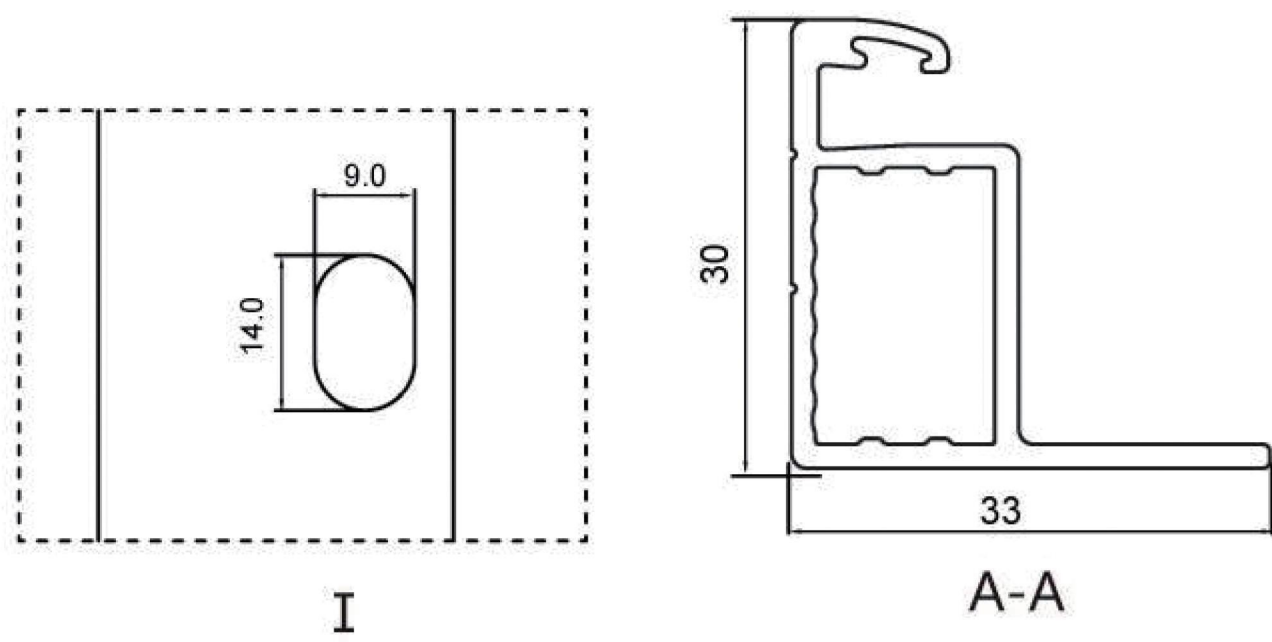
Power output	P _{max}	W	329.20	333.60	337.50	341.20	344.90
Voltage at Pmax	V _{mpp}	V	31.50	31.70	31.90	32.10	32.30
Current at Pmax	I _{mpp}	A	10.44	10.50	10.56	10.62	10.67
Open-circuit voltage	V _{oc}	V	38.30	38.50	38.70	38.90	39.10
Short-circuit current	I _{sc}	A	11.02	11.07	11.13	11.18	11.24

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

OTHER INFORMATIONS

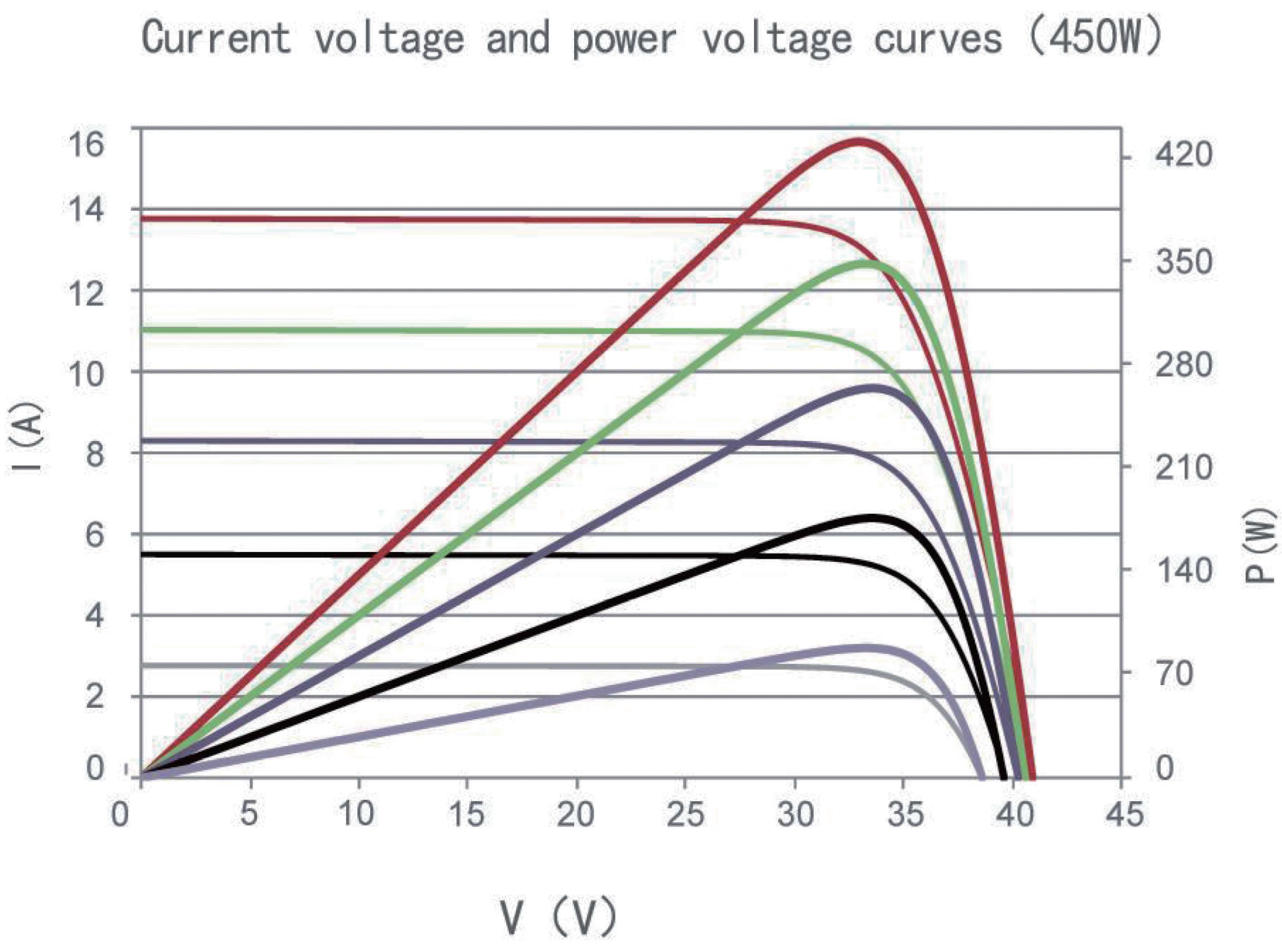
Cell Orientation	120 (20×6)
J-Box	Split junction box, IP68, three diodes
Cable	4mm², positive 400mm/negative 200mm, length can be customized
Connectors	PV-XT101.2, Suzhou Xtong Photovoltaic Technologies Co.,Ltd PV Modules manufactured in China.
Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Weight	23.0kg
Dimensions	1903×1134×30mm
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.



Long: ±2mm	Thickness: ±1mm
Wide: ±2mm	Hole spacing: ±2mm

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

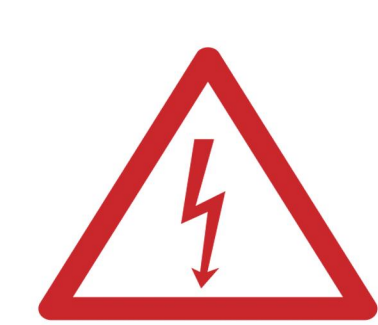
OPERATING CONDITIONS

Operating temperature range	-40℃ 至 85℃
Power tolerance	0 ~+5W
Voc&Isc tolerance	±3%
Max.system voltage	1500V _{dc}
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.
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