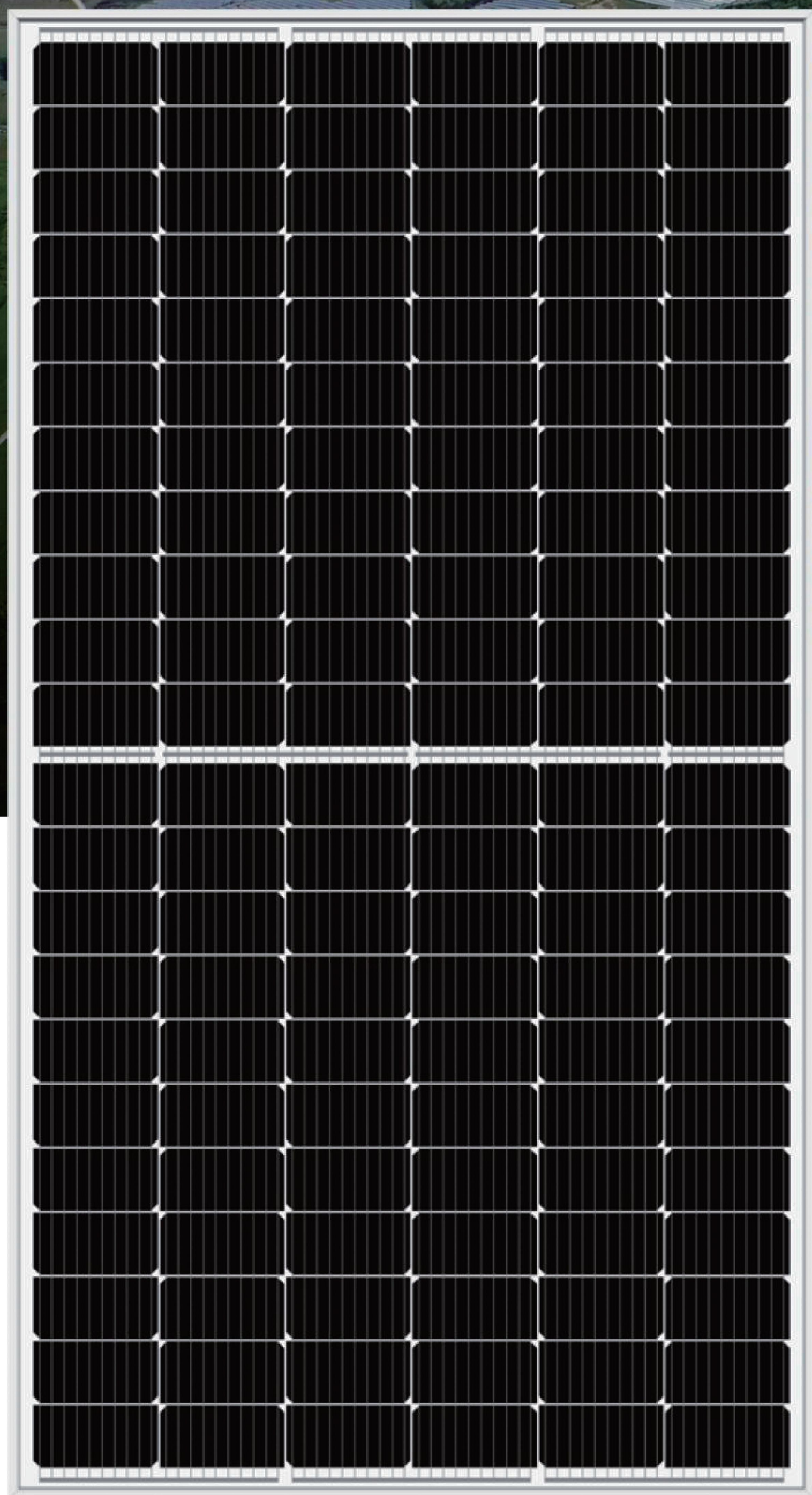




YCxxxPSF 66 M10/2

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.

21.69%

Module Efficiency

12YEAR

Product Warranty

0~+4.99W

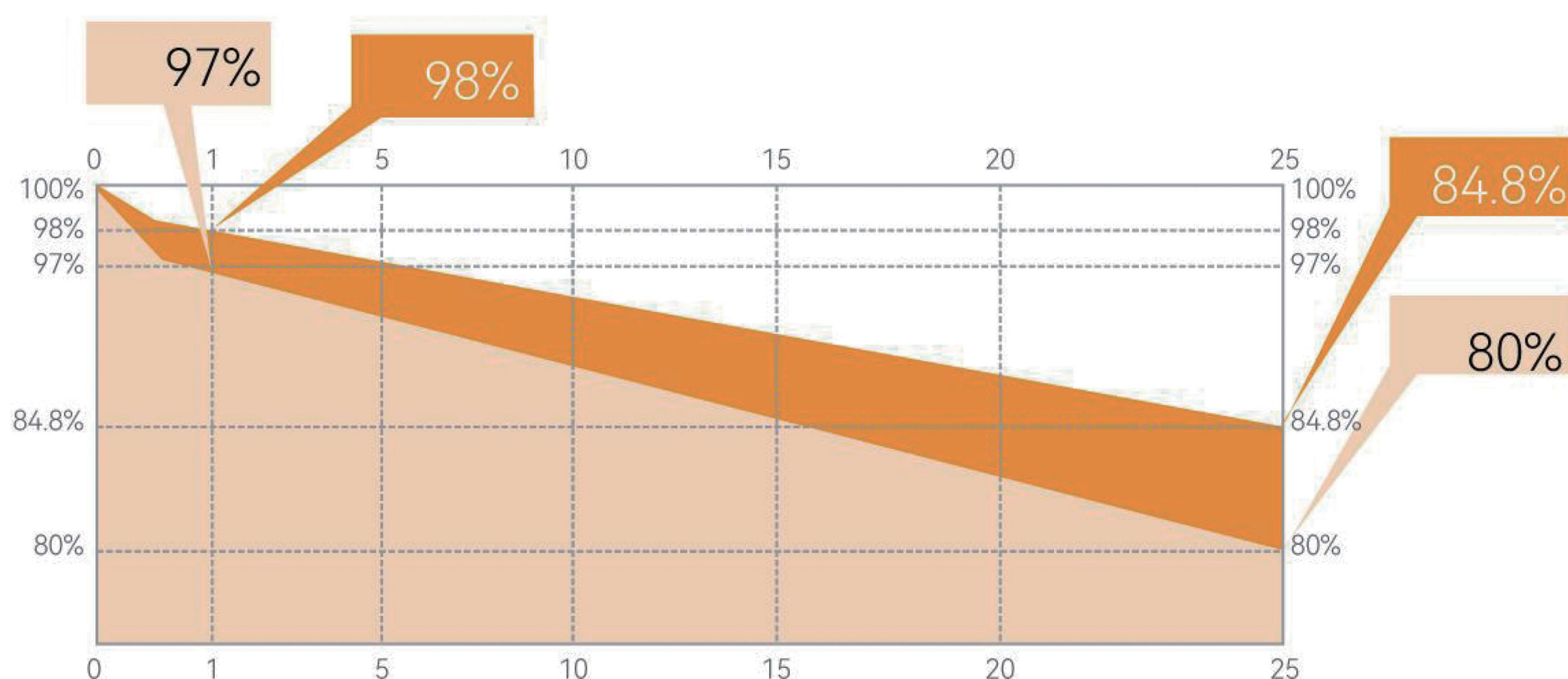
Power tolerance

QUALIFICATIONS & CERTIFICATES

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

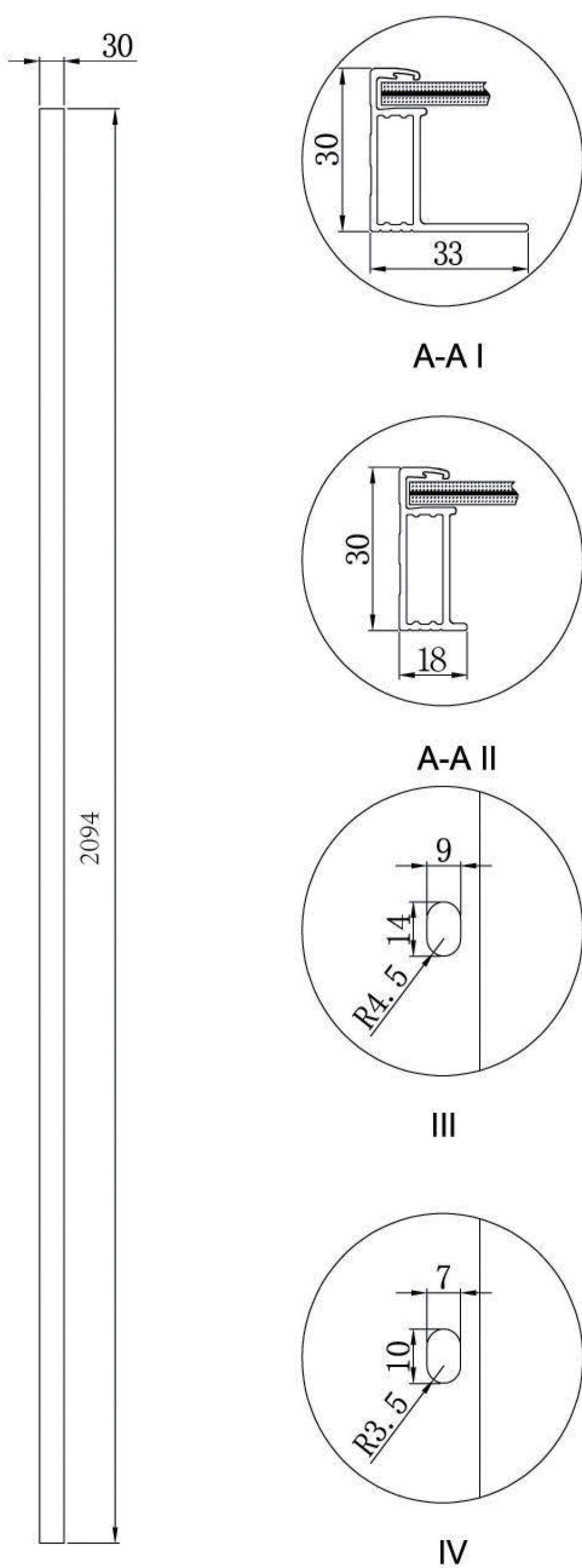
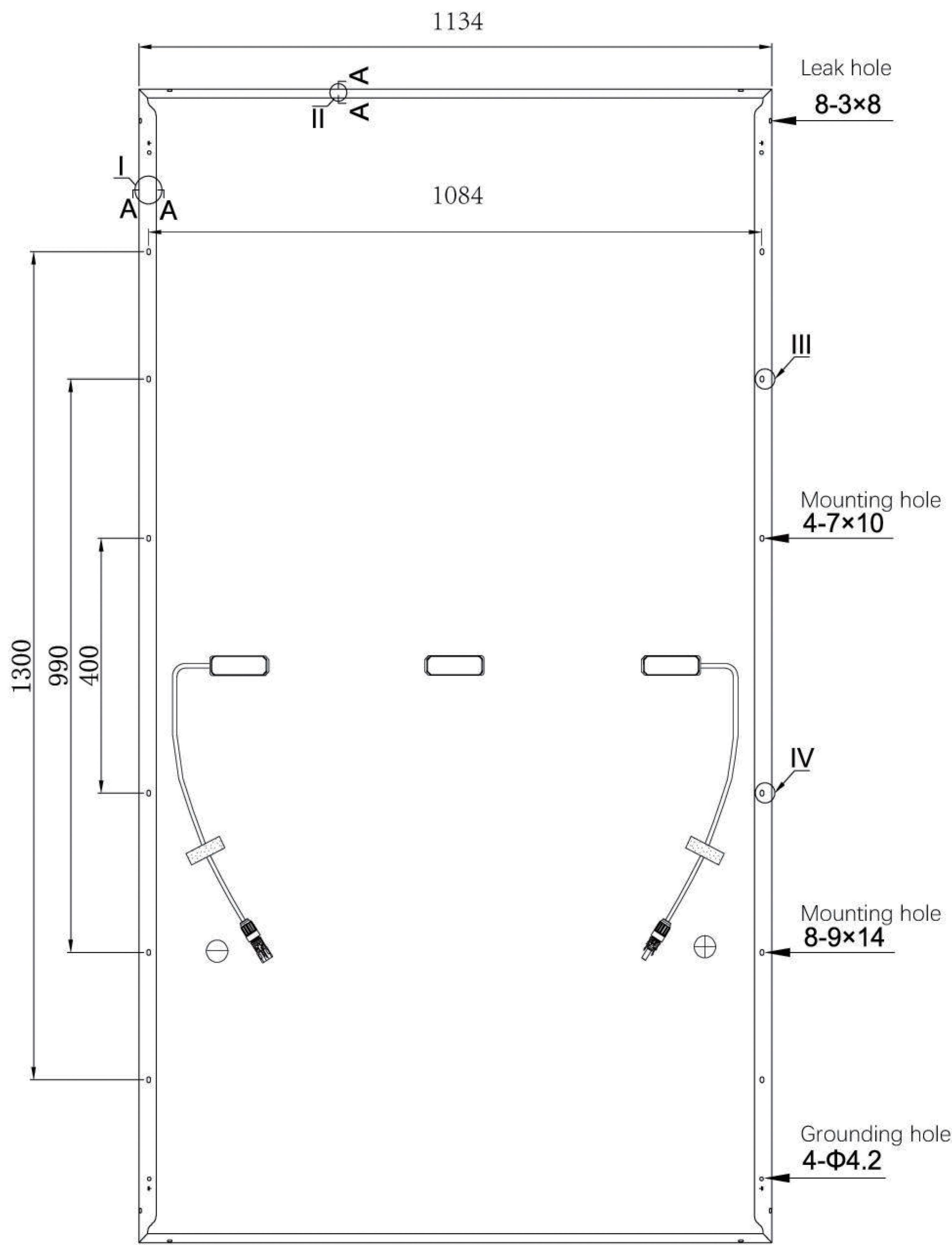
Linear Warranty

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



YC's Linear Performance Warranty Industry Standard Warranty

YCxxxPSF 66 M10/2



ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions(STC)					
Module type	YC xxx PSF 66 M10/2 (xxx=Pmax)				
Power output	P _{max}	W	505	510	515
Power output tolerance	P _{max}		0~+4.99		
Module efficiency	η _m	%	21.27	21.48	21.69
Voltage at Pmax	V _{mpp}	V	38.3	38.5	38.7
Current at Pmax	I _{mpp}	A	13.19	13.25	13.31
Open-circuit voltage	V _{oc}	V	45.8	46.0	46.2
Short-circuit current	I _{sc}	A	13.91	13.97	14.03
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	378.30	382.00	385.60
Voltage at Pmax	V _{mpp}	V	35.50	35.70	35.90
Current at Pmax	I _{mpp}	A	10.65	10.70	10.75
Open-circuit voltage	V _{oc}	V	42.90	43.10	43.30
Short-circuit current	I _{sc}	A	11.23	11.27	11.32

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

OTHER INFORMATIONS

Cell Orientation	132 (22×6)
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	26.0kg
Dimensions	2094×1134×30mm
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.

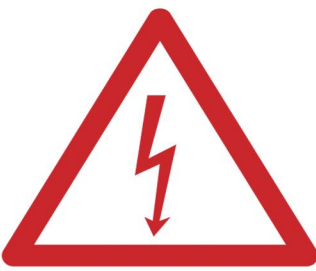
THERMAL CHARACTERISTICS			
Temperature coefficient of Pmax	γ	%/° C	-0.350
Temperature coefficient of Voc	β _{Voc}	%/° C	-0.290
Temperature coefficient of Isc	α _{Isc}	%/° C	+0.050

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.
Add: Changgucheng Industrial Park,Tang County,Baoding,P.R.China