

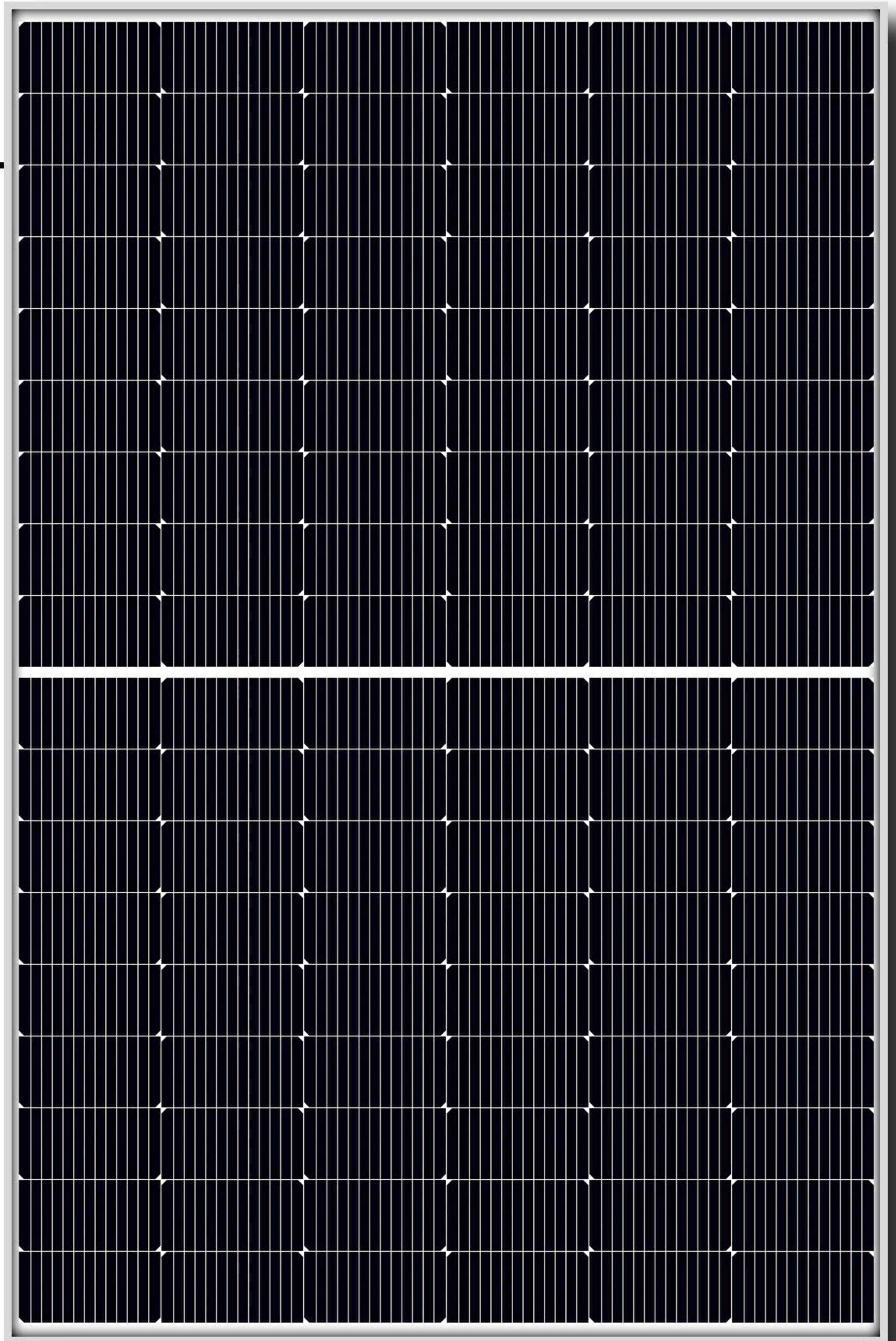
M10 PERC

Conventional

AOX 54M10HC 400W-415W

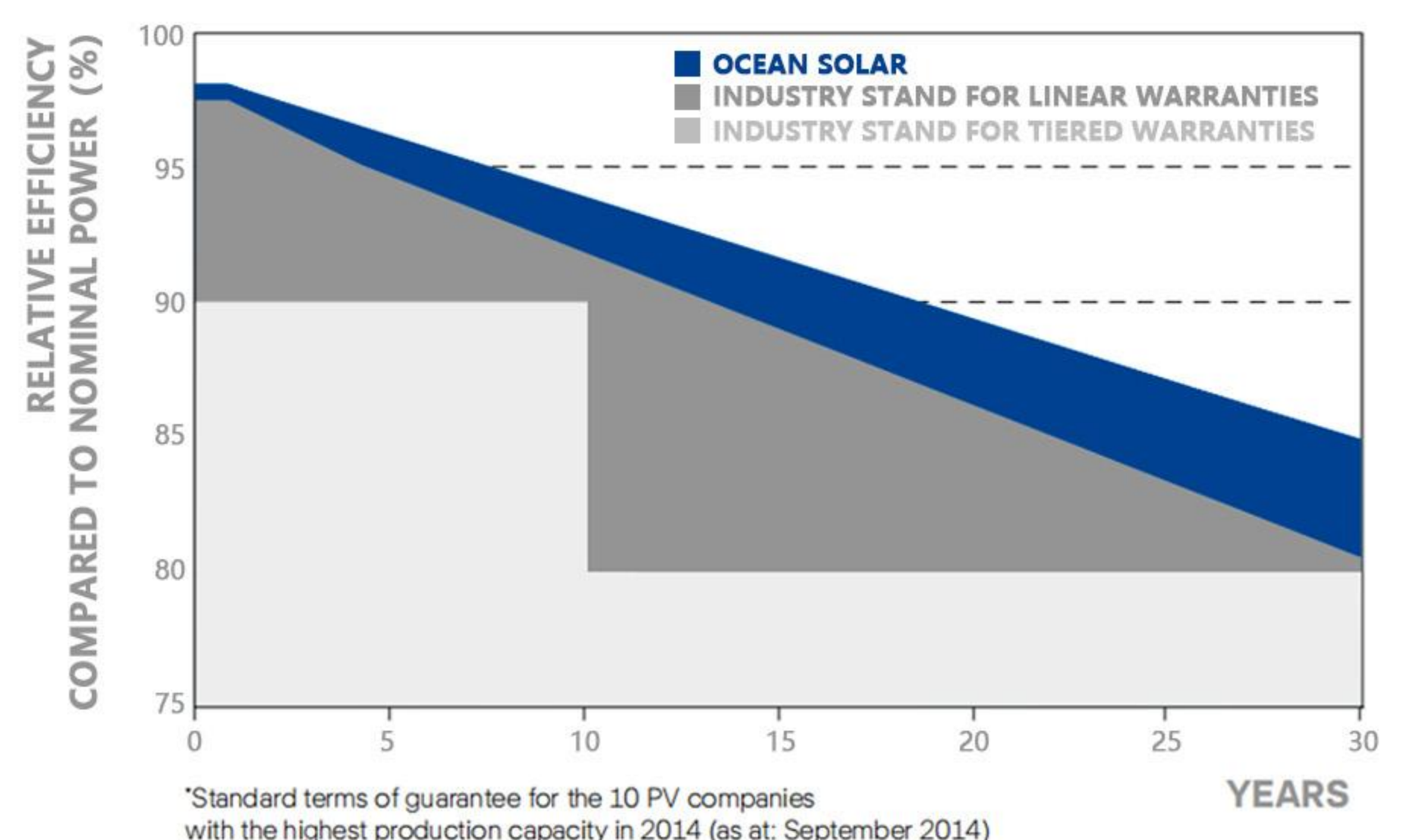
- Based on M10-182mm solar cells.
- Higher module quality ensures long-term reliability
- MBB Technology, better light trapping and current collection to improve module power output and reliability.
- Excellent Anti-PID performance guarantee via optimized mass production process and materials control

WORLD SHINES BECAUSE OF YOU



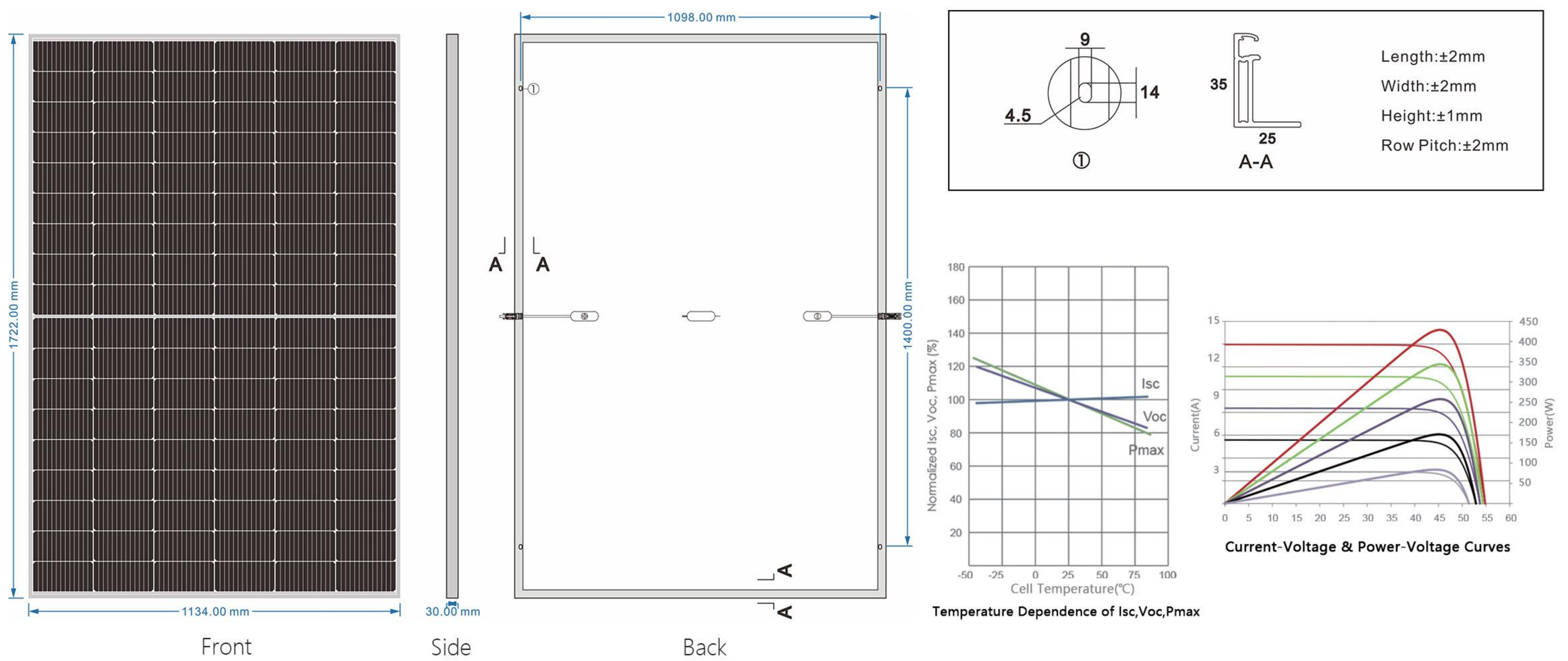
PRODUCT Warranty

12-year Warranty for Materials and Processing
30-year Warranty for Extra Linear Power Output



PRODUCT Certifications





Electrical Characteristics

STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	AOX-54M10HC400W		AOX-54M10HC405W		AOX-54M10HC410W		AOX-72M10HC415W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp	415Wp	309Wp
Voltage at Maximum Power (Vmp/V)	30.42V	28.42V	30.52V	28.56V	30.62V	28.72V	30.79V	28.88V
Current at Maximum Power (Imp/A)	13.15A	10.47A	13.27A	10.55A	13.39A	10.62A	13.48A	10.69A
Open Circuit Voltage (Voc/V)	36.98V	34.90V	37.06V	34.98V	37.14V	35.05V	37.31V	35.21V
Short Circuit Current (Isc/A)	13.78A	11.13A	13.85A	11.19A	13.92A	11.24A	14.01A	11.32A
Module Efficiency(%)	20.50%		20.70%		21.00%		21.30%	

Mechanical Parameters

Cell Orientation	6*18 (108) solar half cells
Junction Box	IP 68 3 diodes
Output Cable	4.0mm ² solar cable(IEC) (+)≥350mm (-)≥350mm or customized
Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Weight	20.5kg
Dimension	1722*1134*30mm
Packaging	31pcs/pallets,936pcs/ 40HQ Container

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Product Warranty

Warranty for Materials and Processing	12 Year
Warranty for Extra Linear Power Output	30 Year

Operating Parameters

Operational Temperature	-40~+85 °C
Power Output Tolerance	0~5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500VDC(IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Temperature Ratings (STC)

Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C

Product Certifications



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Specifications included in this datasheet are subject to change without notice.

