

M10

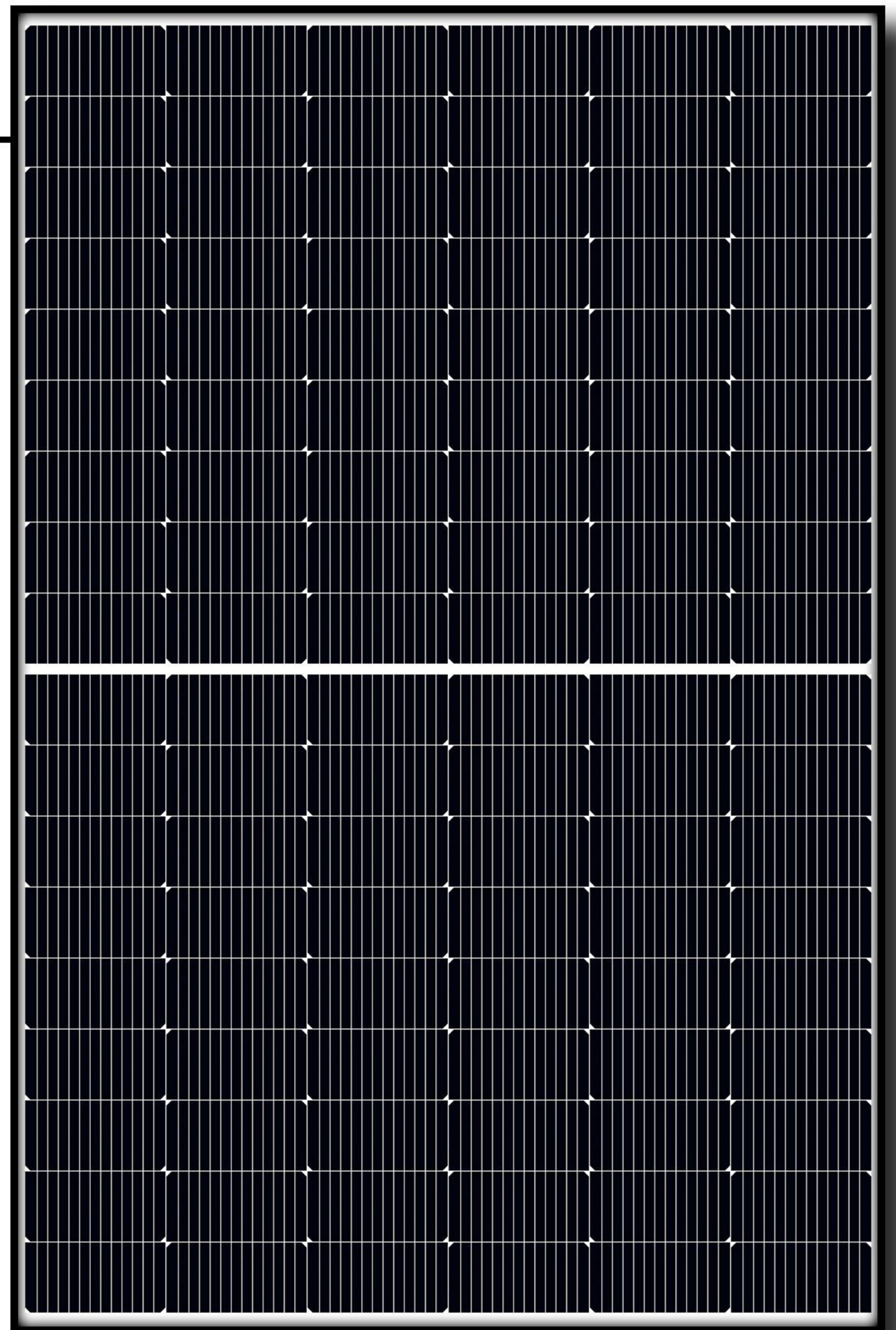
N-TopCon

Black Frame

AOX 54M10HC 420W-435W

- 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



N-TopCon Technology Innovation

Selective Passivation Contact

The key technology determines the maximum efficiency

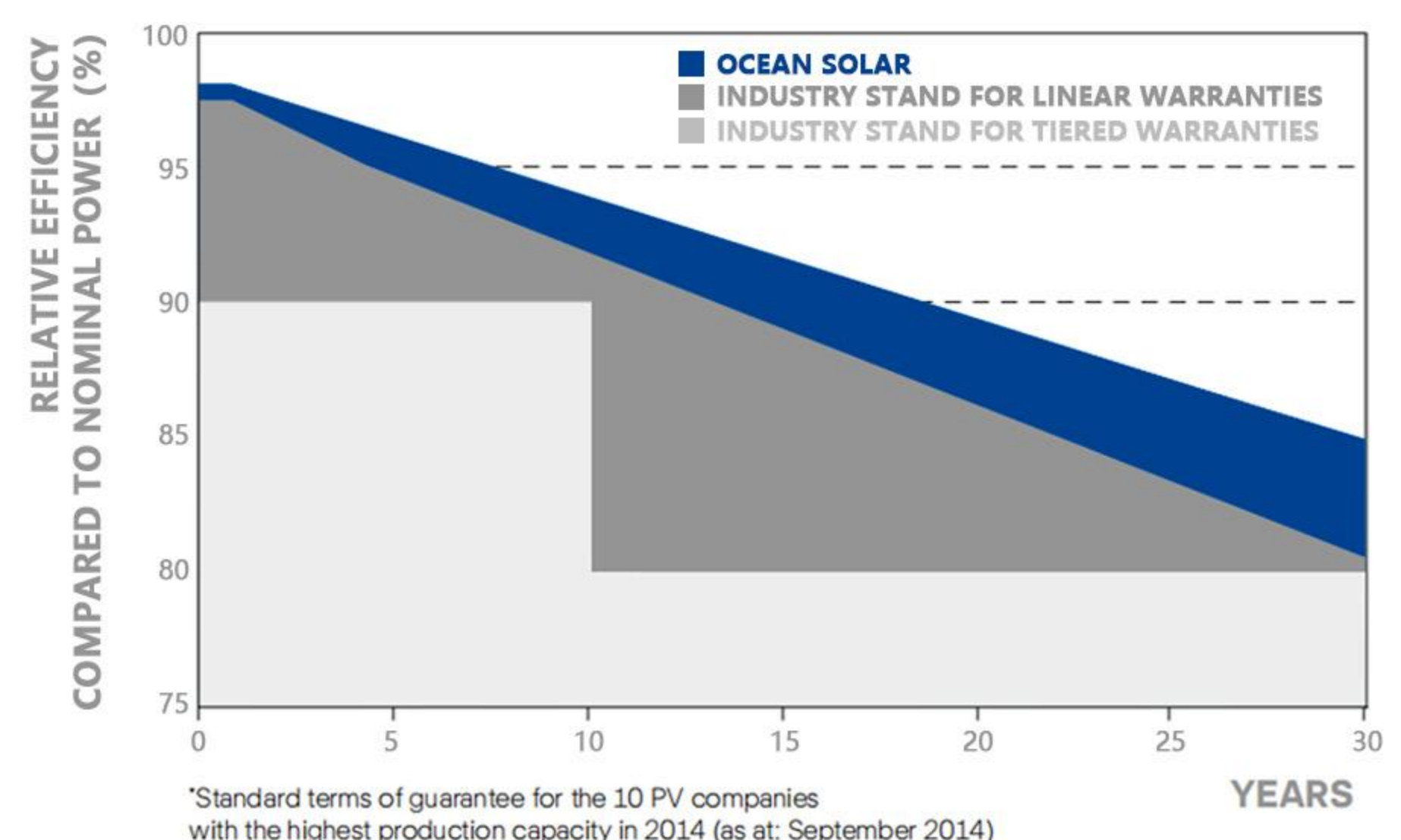


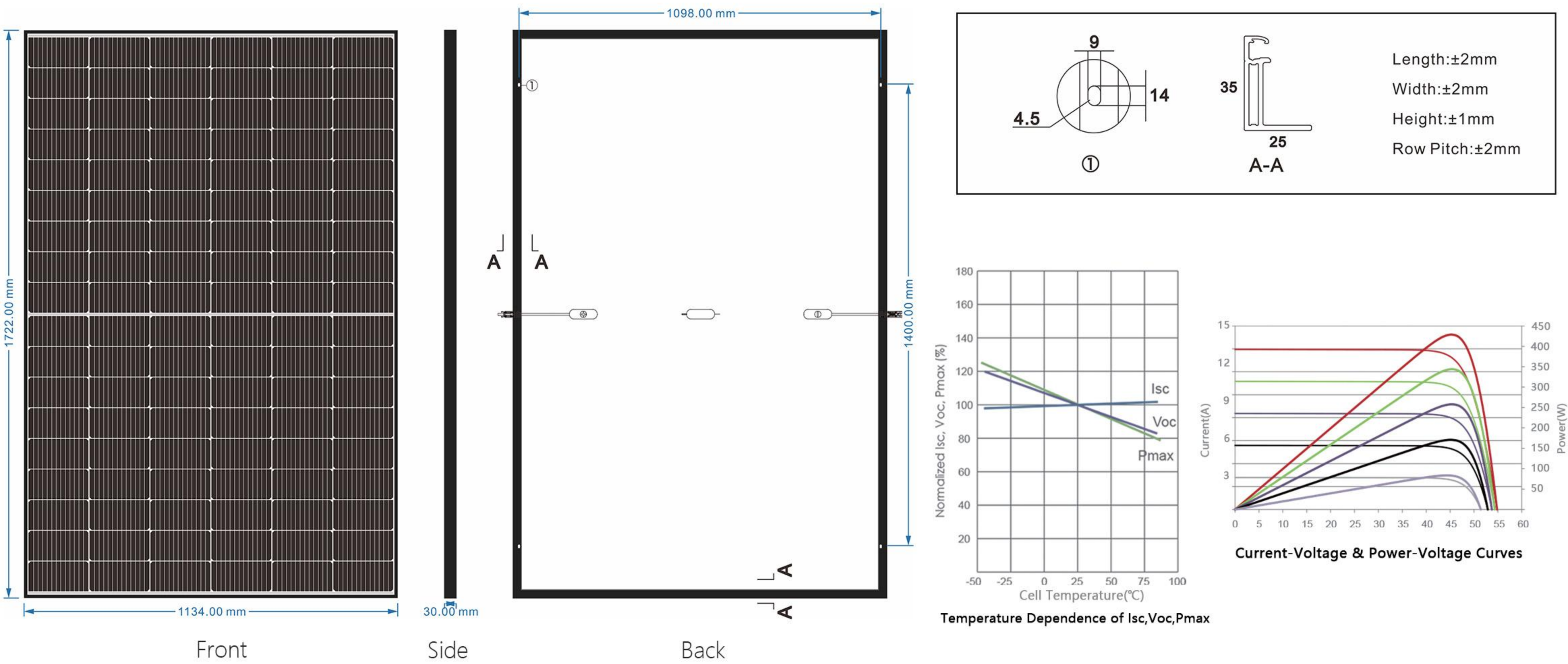
PRODUCT Warranty

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-54M10HC420W		AOX-54M10HC425W		AOX-54M10HC430W		AOX-54M10HC435W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	420Wp 316Wp		425Wp 320Wp		430Wp 323Wp		435Wp 327Wp	
Voltage at Maximum Power (Vmp/V)	31.51V 29.34V		31.70V 29.50V		31.88V 29.63V		32.05V 29.73V	
Current at Maximum Power (Imp/A)	13.33A 10.76A		13.41A 10.83A		13.49A 10.91A		13.57A 10.99A	
Open Circuit Voltage (Voc/V)	38.11V 36.20V		38.30V 36.38V		38.49V 36.56V		38.66V 36.74V	
Short Circuit Current (Isc/A)	14.07A 11.36A		14.15A 11.42A		14.23A 11.49A		14.31A 11.56A	
Module Efficiency(%)	21.50%		21.80%		22.00%		22.30%	

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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