

# M10

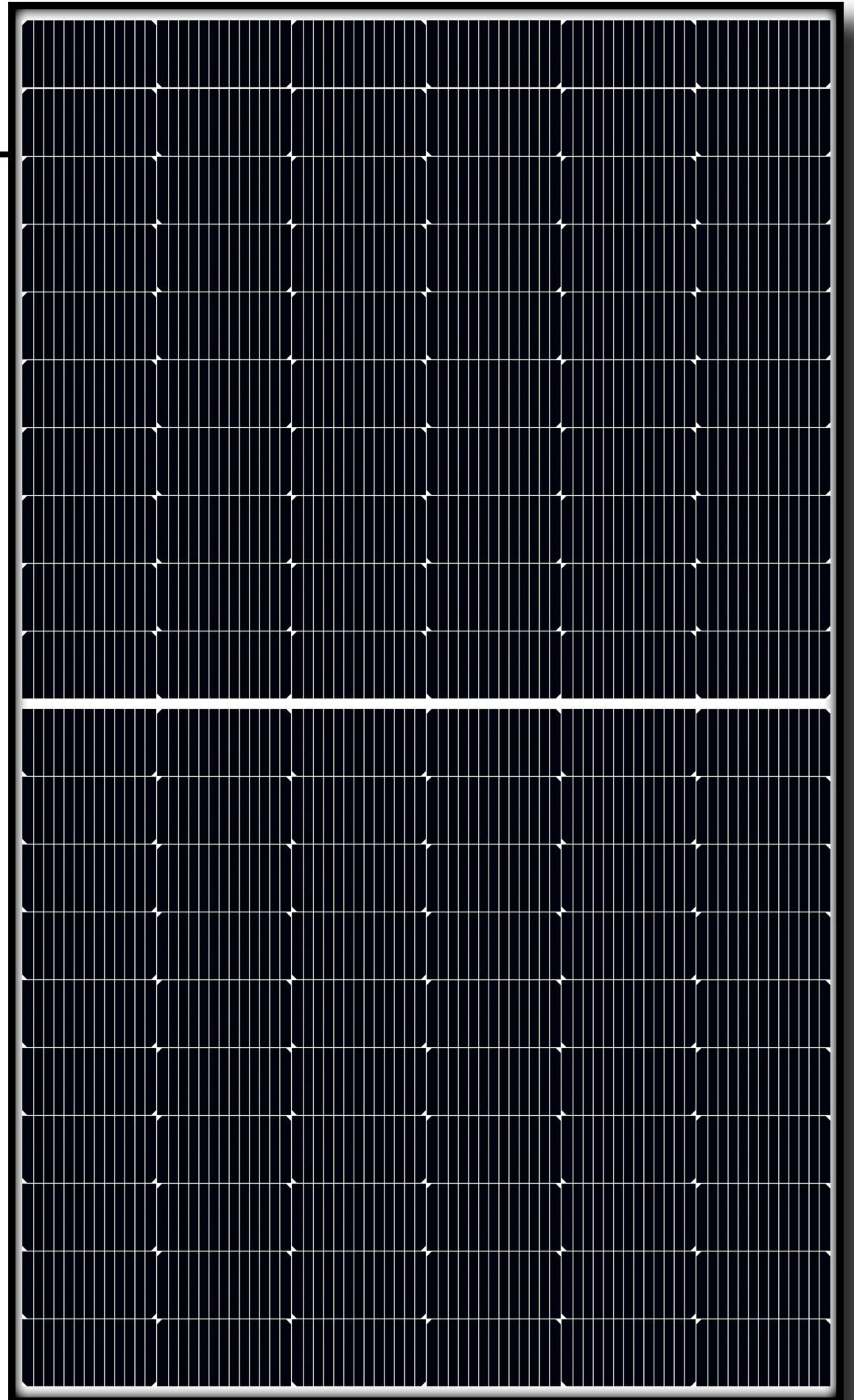
N-TopCon

Black Frame

## AOX 60M10HC

# 470W-485W

- 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

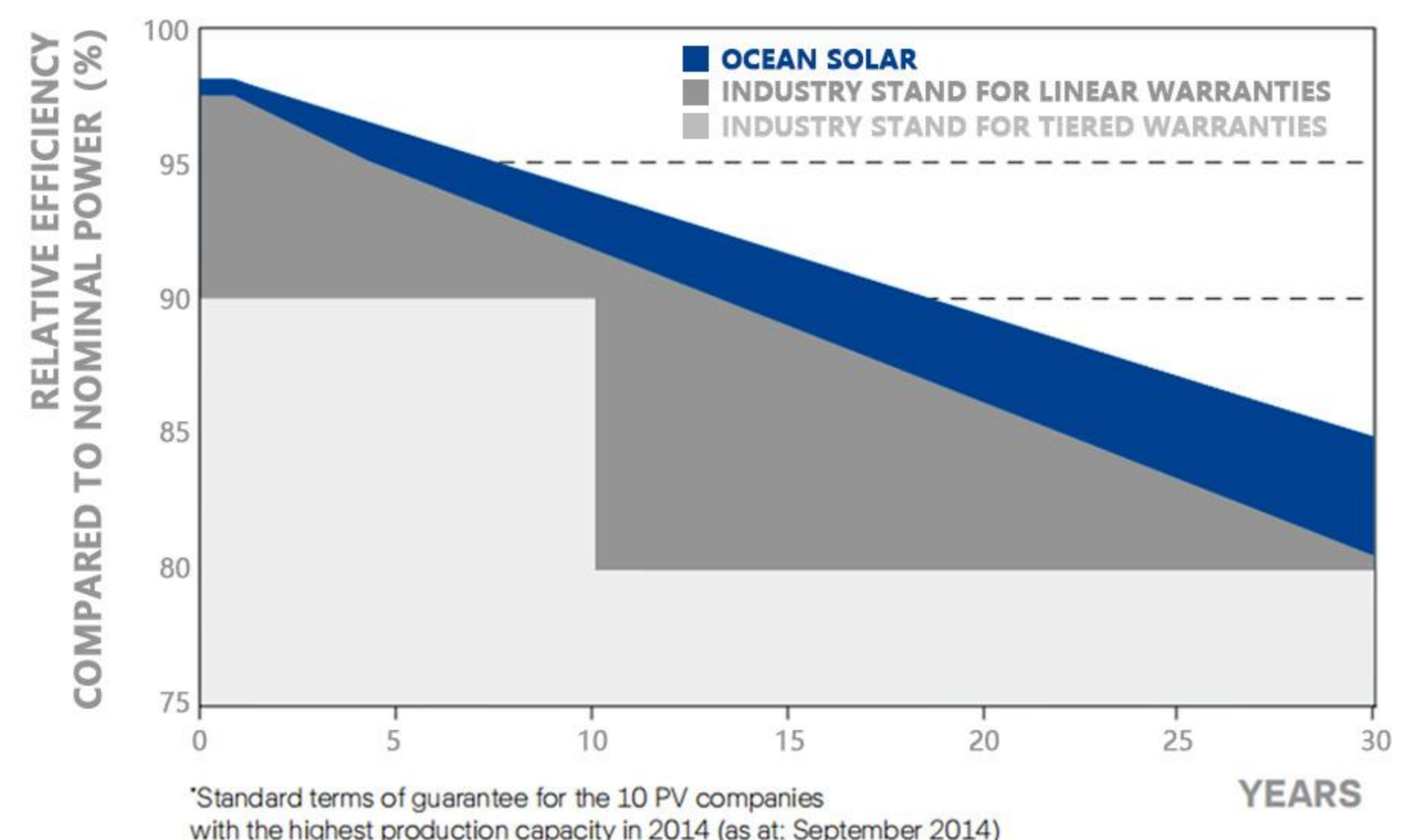
Selective Passivation Contact

The key technology determines the maximum efficiency



## PRODUCT Warranty

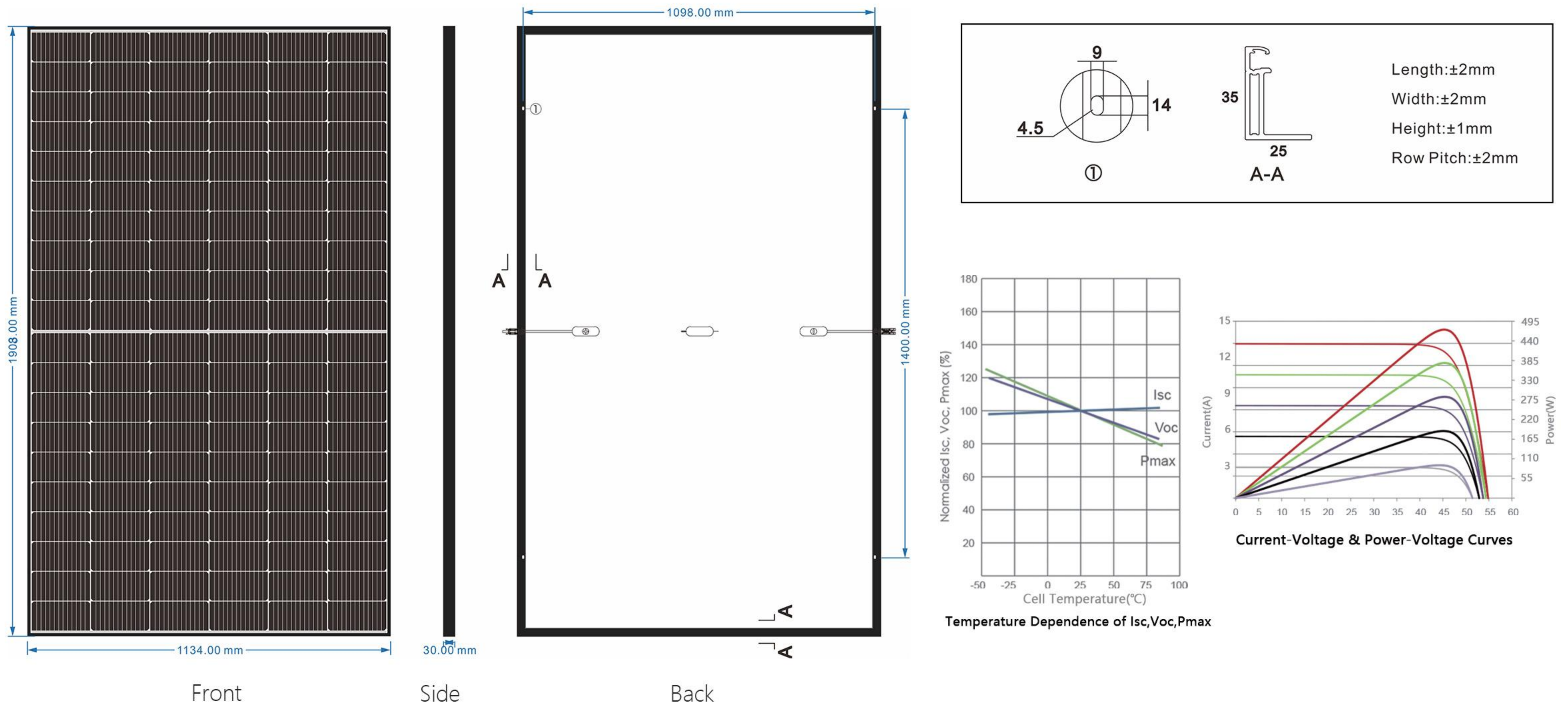
- 12-year Warranty for Materials and Processing
- 30-year Warranty for Extra Linear Power Output



## PRODUCT Certifications







## Electrical Characteristics

Module Type	STC: AM1.5 1000W/m <sup>2</sup> 25°C		NOCT: AM1.5 800W/m <sup>2</sup> 20°C 1m/s		Test uncertainty for Pmax: ±3%
	AOX-60M10HC470W	AOX-60M10HC475W	AOX-60M10HC480W	AOX-60M10HC485W	
Testing Condition	STC NOCT	STC NOCT	STC NOCT	STC NOCT	
Maximum Power (Pmax/W)	470Wp 353Wp	475Wp 357Wp	480Wp 361Wp	485Wp 365Wp	
Voltage at Maximum Power (Vmp/V)	35.05V 32.94V	35.21V 33.10V	35.38V 33.27V	35.56V 33.45V	
Current at Maximum Power (Imp/A)	13.41A 10.73A	13.49A 10.79A	13.57A 10.85A	13.64A 10.91A	
Open Circuit Voltage (Voc/V)	42.38V 40.25V	42.54V 40.41V	42.71V 40.57V	42.89V 40.73V	
Short Circuit Current (Isc/A)	14.15A 11.42A	14.23A 11.49A	14.31A 11.55A	14.39A 11.62A	
Module Efficiency(%)	21.80%	22.00%	22.20%	22.50%	

## Mechanical Parameters

Cell Orientation	6*20 (120) solar half cells
Junction Box	IP 68 3 diodes
Output Cable	4.0mm <sup>2</sup> solar cable(IEC) (+)≥350mm (-)≥350mm or customized
Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Weight	23.0kg
Dimension	1908*1134*30mm
Packaging	31pcs/pallets,864pcs/ 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.

