

M10

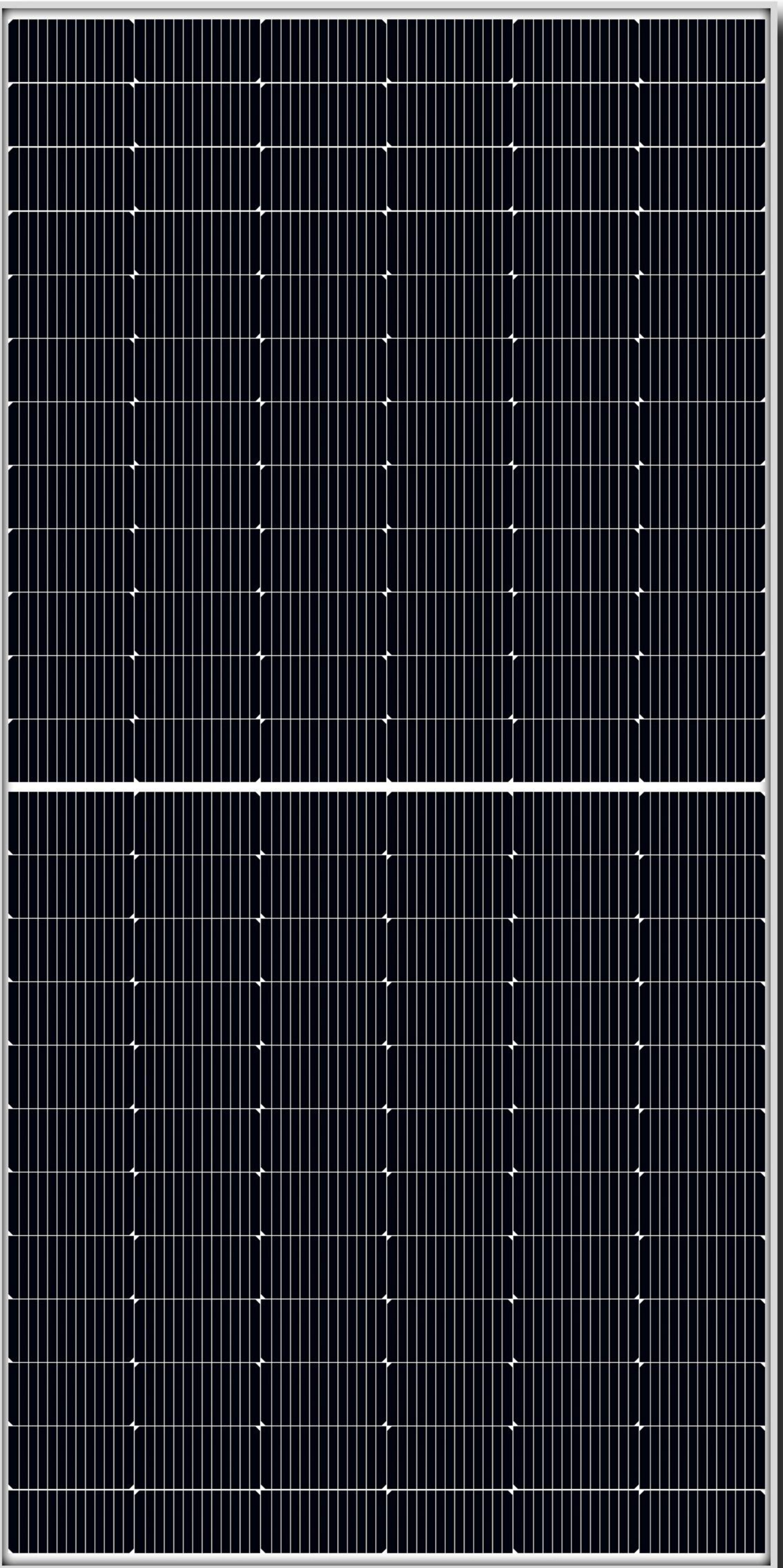
N-TopCon

Conventional

AOX 72M10HC

560W-580W

- 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

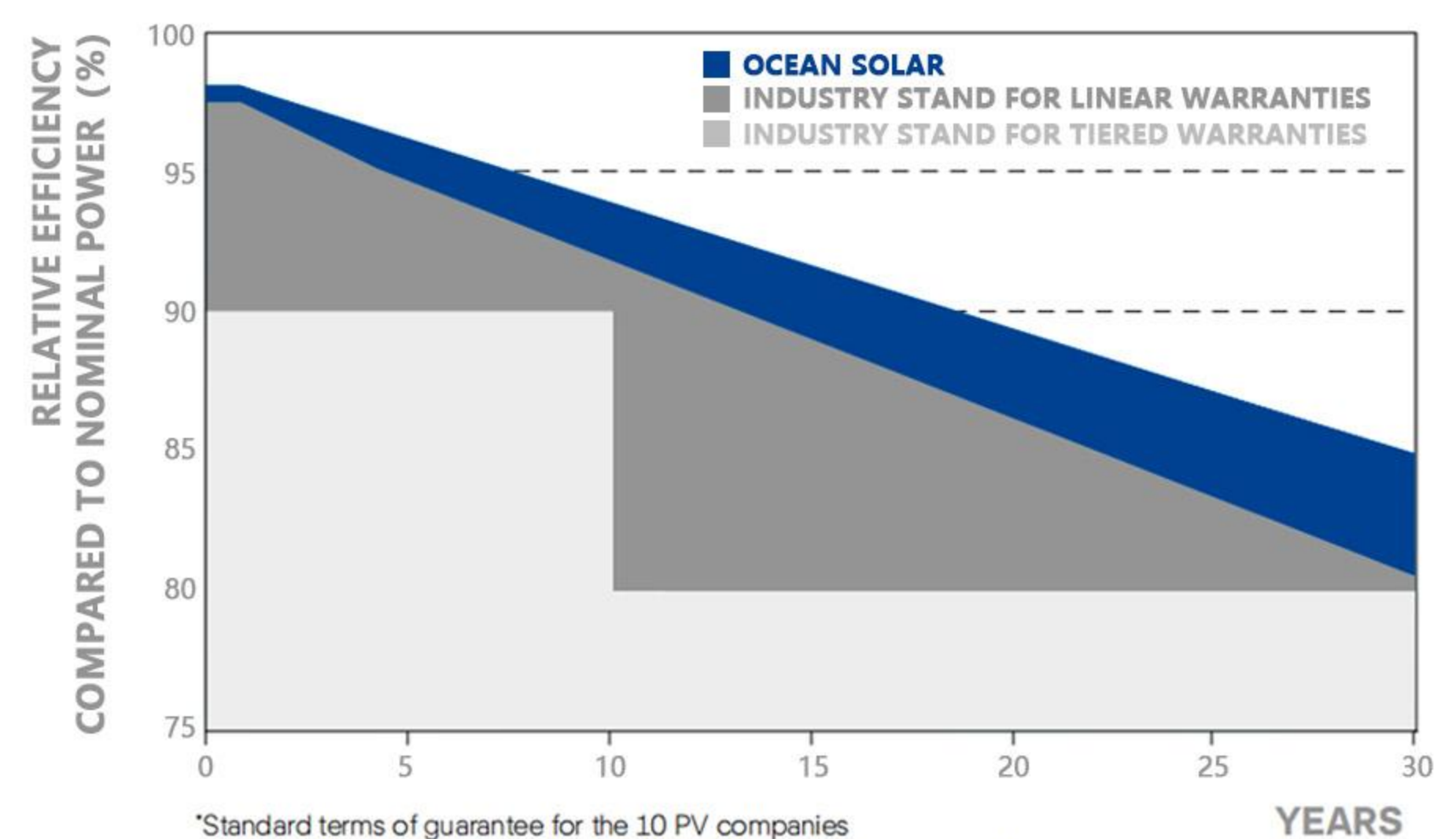
Selective Passivation Contact

The key technology determines the maximum efficiency



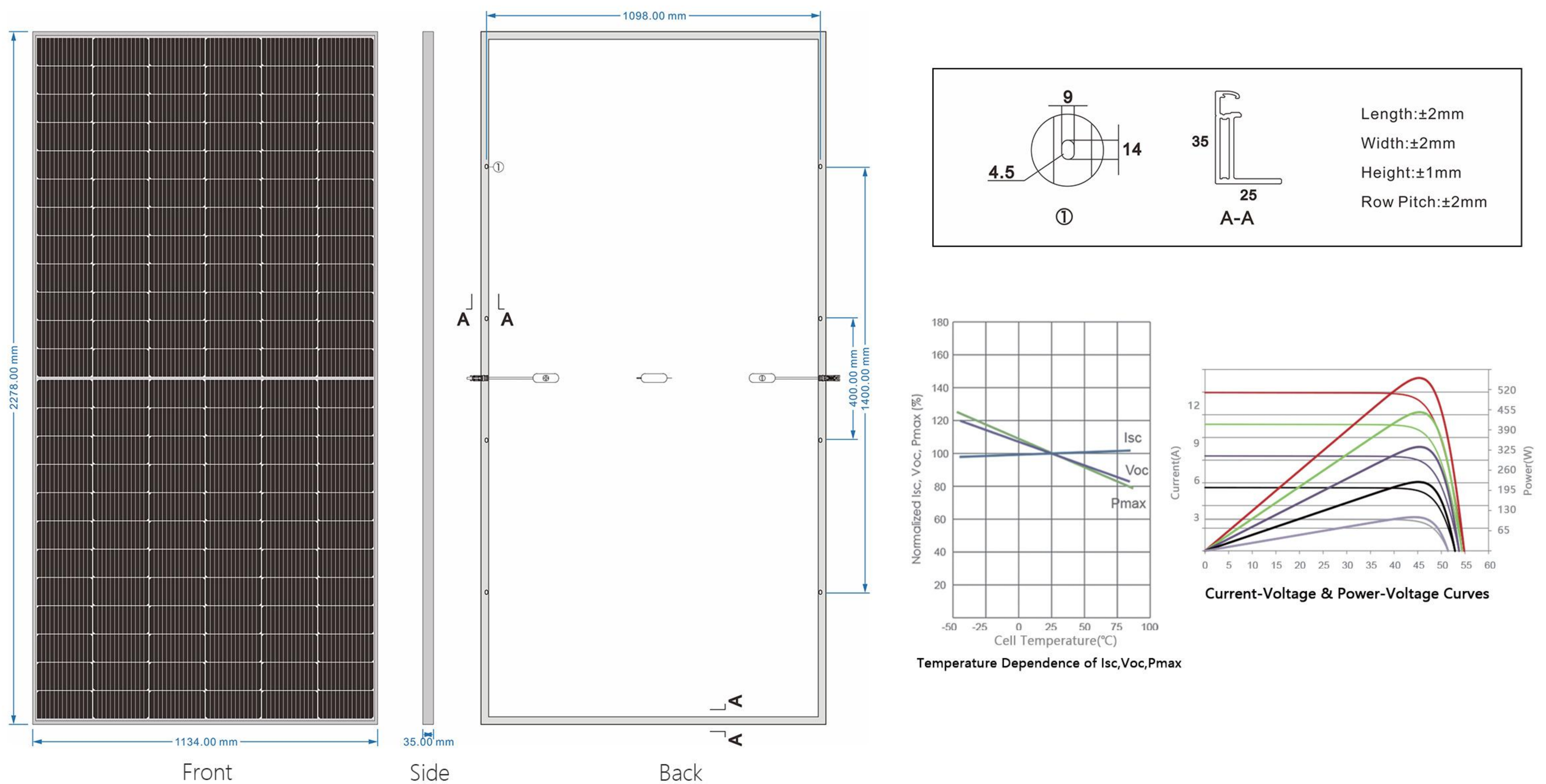
PRODUCT Warranty

- 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-72M10HC560W | | AOX-72M10HC565W | | AOX-72M10HC570W | | AOX-72M10HC575W | | AOX-72M10HC580W | |
|----------------------------------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 560Wp | 421Wp | 565Wp | 425Wp | 570Wp | 429Wp | 575Wp | 432Wp | 580Wp | 436Wp |
| Voltage at Maximum Power (Vmp/V) | 41.77V | 39.25V | 41.92V | 39.38V | 42.07V | 39.51V | 42.22V | 39.60V | 42.37V | 39.69V |
| Current at Maximum Power (Imp/A) | 13.41A | 10.73A | 13.48A | 10.79A | 13.55A | 10.85A | 13.62A | 10.92A | 13.69A | 10.99A |
| Open Circuit Voltage (Voc/V) | 50.47V | 47.94V | 50.60V | 48.06V | 50.74V | 48.20V | 50.88V | 48.33V | 51.02V | 48.46V |
| Short Circuit Current (Isc/A) | 14.15A | 11.42A | 14.23A | 11.49A | 14.31A | 11.55A | 14.39A | 11.62A | 14.47A | 11.69A |
| Module Efficiency(%) | 21.70% | | 21.90% | | 22.10% | | 22.30% | | 22.50% | |

Mechanical Parameters

| | |
|------------------|--|
| Cell Orientation | 6*24 (144) 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 | 27.0kg |
| Dimension | 2278*1134*35mm |
| Packaging | 31pcs/pallets,620pcs/ 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



Ocean Solar Co.,Ltd
E-mail: info@oceansolar.cn
Web: www.oceansolar.cn

© 2022 Ocean Solar All rights reserved.
Specifications included in this datasheet are subject to change without notice.

