

# M6

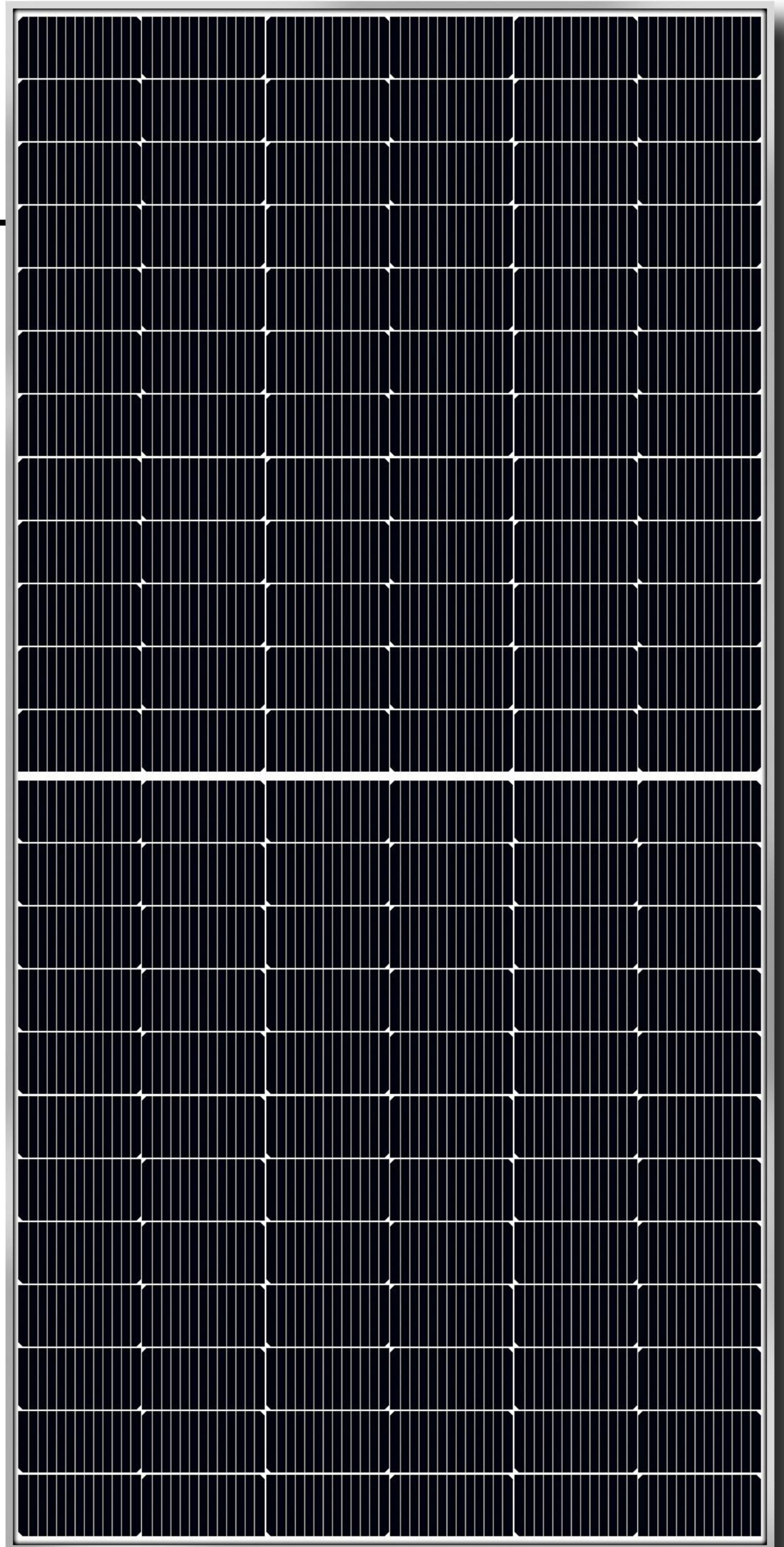
PERC

Conventional

## AOX 72M6HC 450W-480W

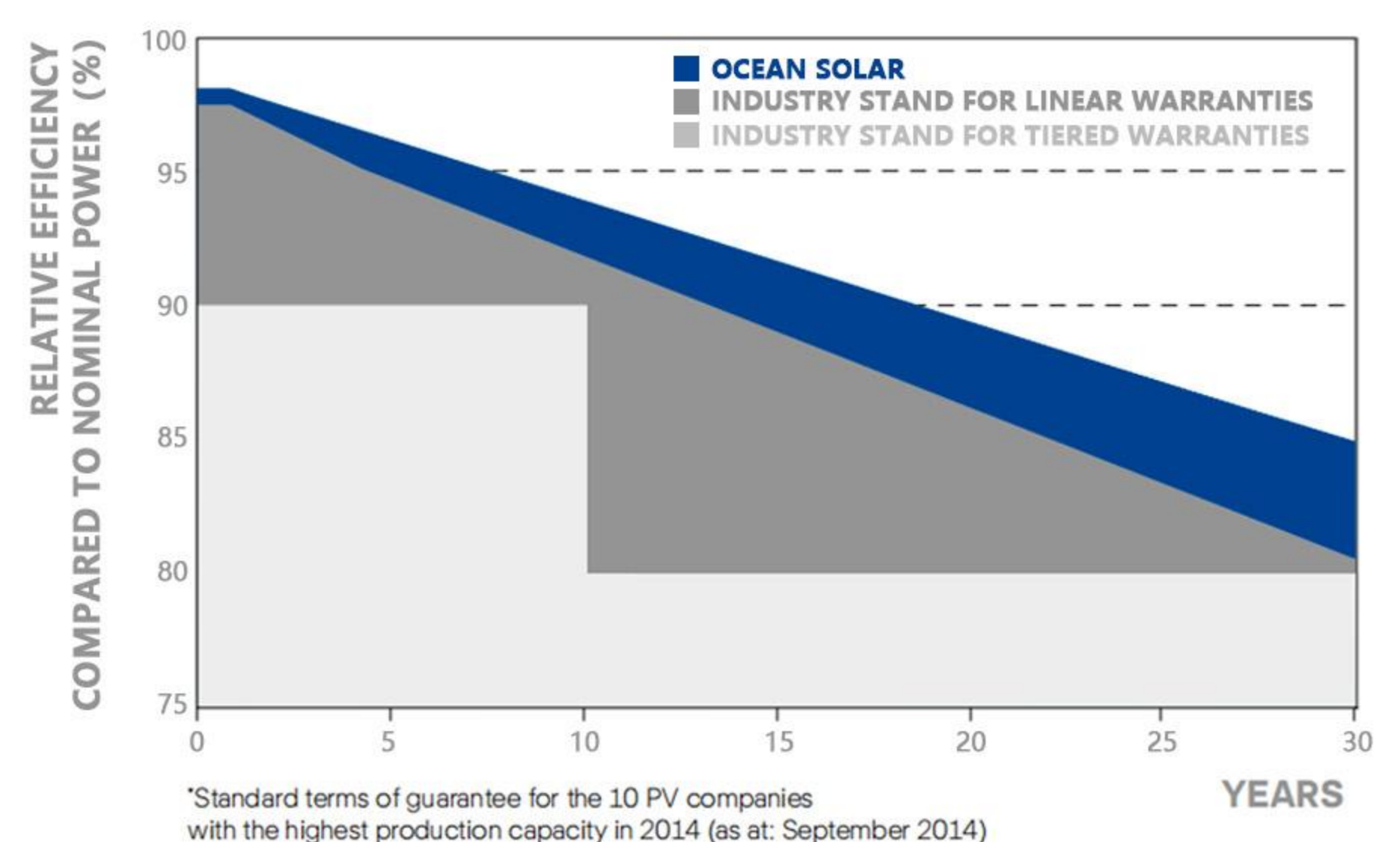
- Based on M6-166mm solar cells.
- Higher module quality ensures long-term reliability
- MBB Technology, better light trapping and current collection to improve module power output and reliability.
- Excellent Anti-PID performance guarantee via optimized mass production process and materials control

WORLD SHINES BECAUSE OF YOU



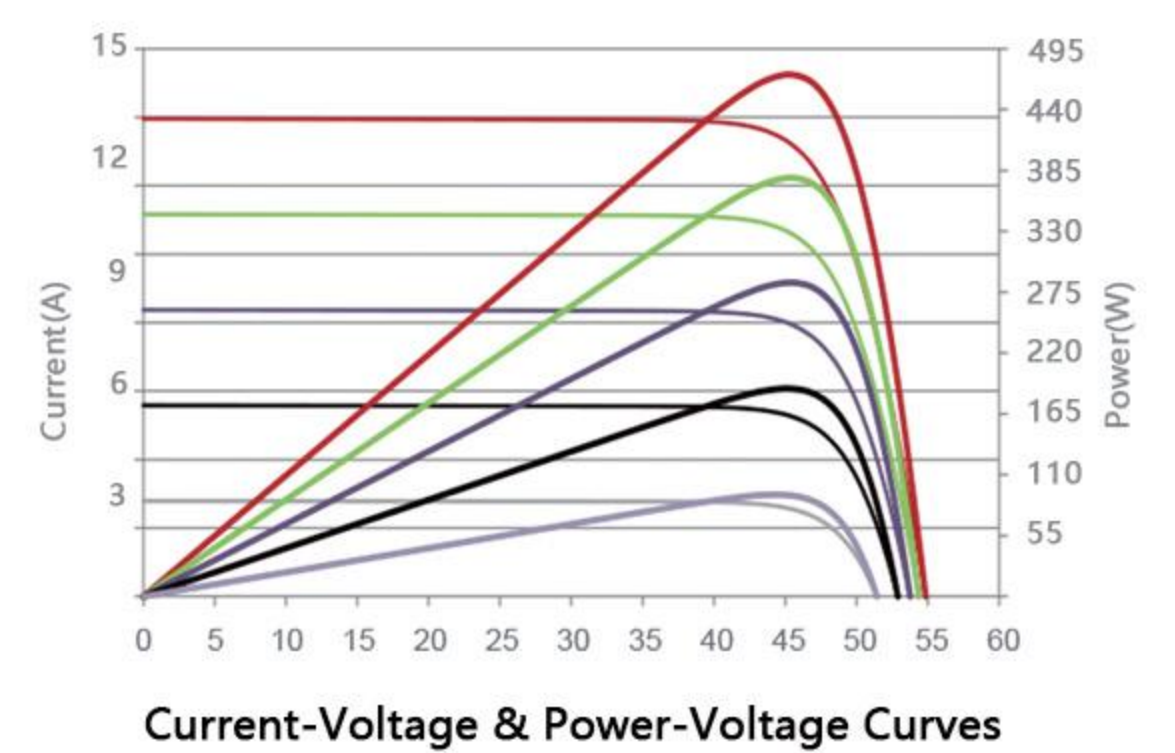
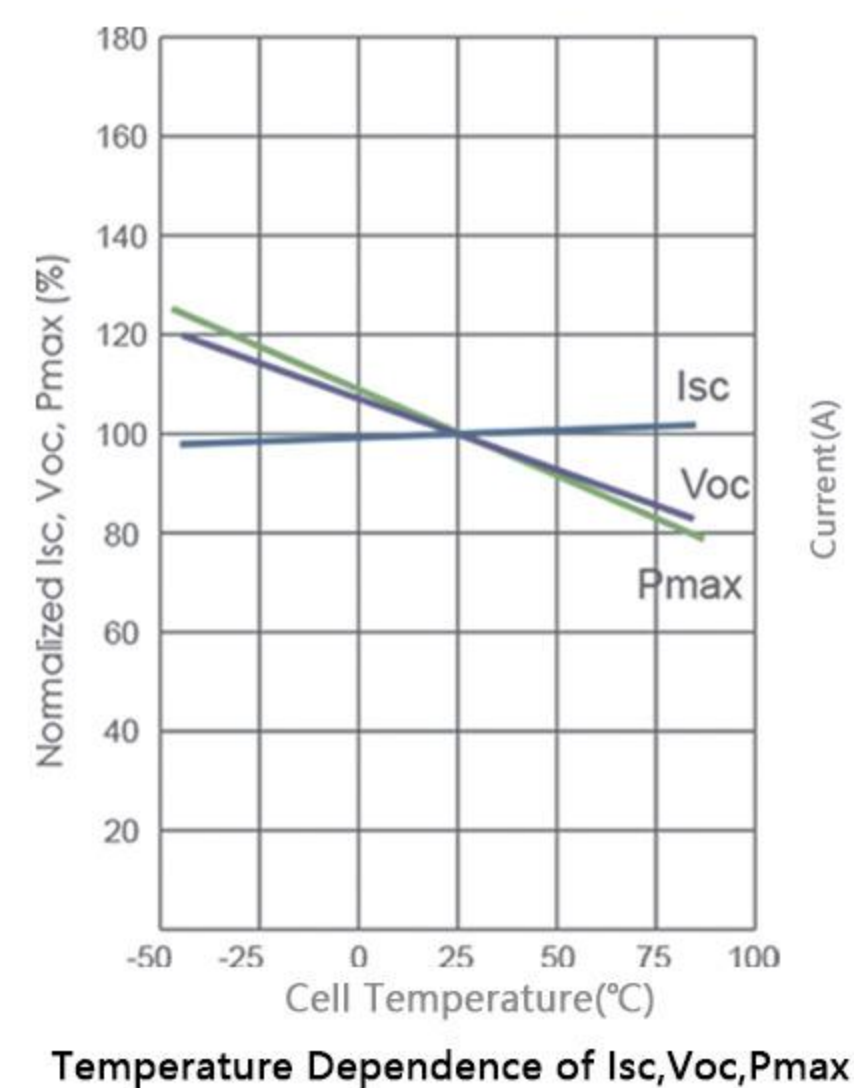
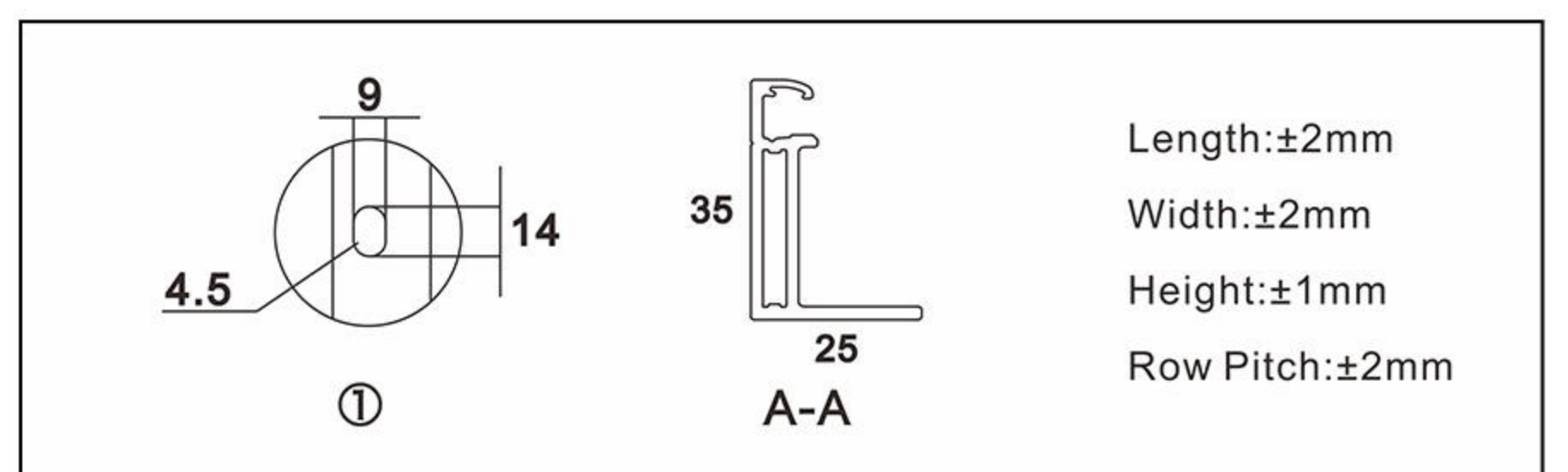
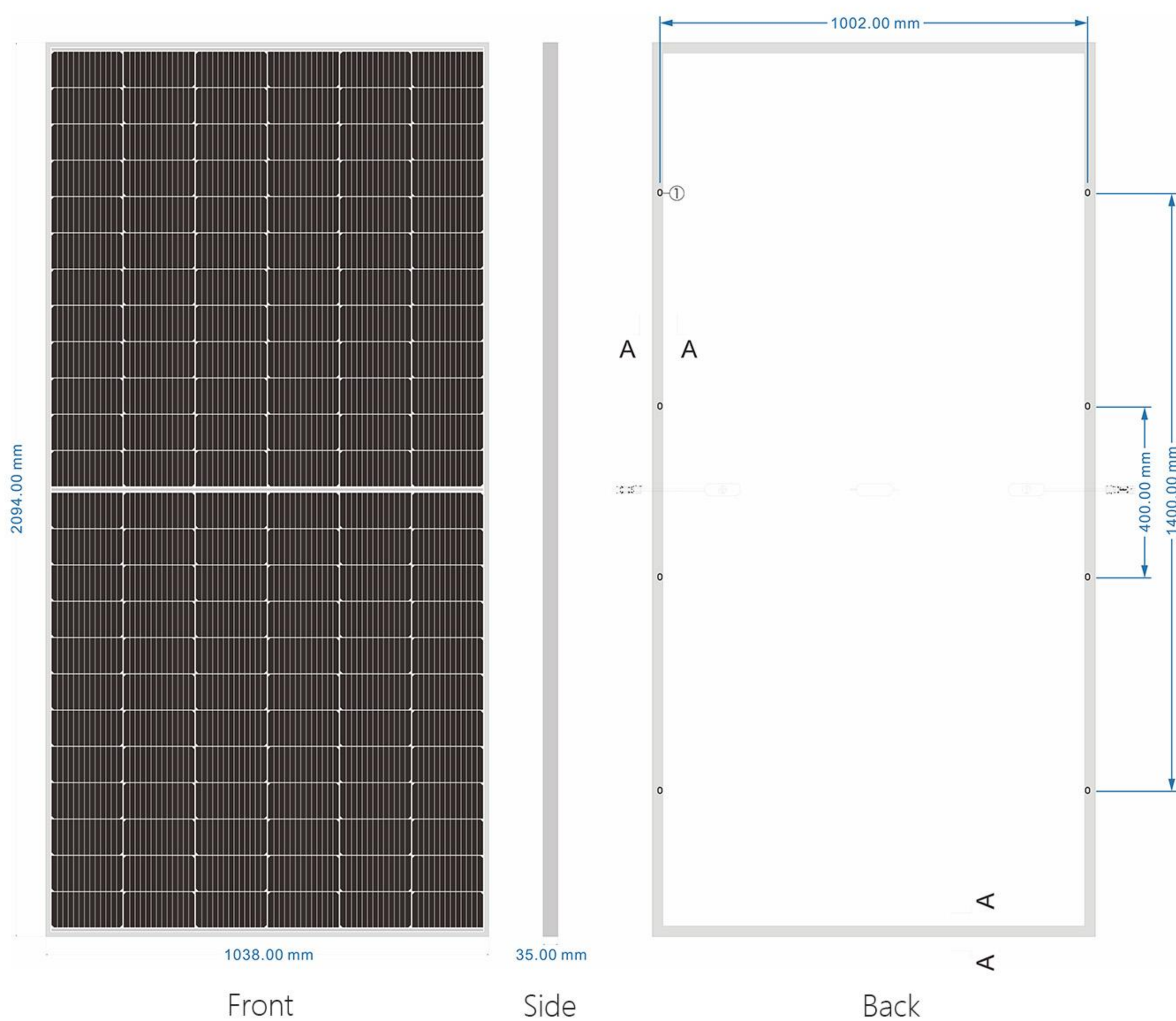
### PRODUCT Warranty

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



### PRODUCT Certifications





## Electrical Characteristics

| Electrical Characteristics | STC : AM1.5 1000W/m² 25°C        |        | NOCT : AM1.5 800W/m² 20°C 1m/s |        | Test uncertainty for Pmax: ±3% |        |                |        |        |
|----------------------------|----------------------------------|--------|--------------------------------|--------|--------------------------------|--------|----------------|--------|--------|
|                            | AOX-72M6HC450W                   |        | AOX-72M6HC460W                 |        | AOX-72M6HC470W                 |        | AOX-72M6HC480W |        |        |
|                            | STC                              | NOCT   | STC                            | NOCT   | STC                            | NOCT   | STC            | NOCT   |        |
|                            | Maximum Power (Pmax/W)           | 450Wp  | 340Wp                          | 460Wp  | 348Wp                          | 470Wp  | 355Wp          | 480Wp  | 363Wp  |
|                            | Voltage at Maximum Power (Vmp/V) | 42.04V | 39.59V                         | 42.13V | 39.68V                         | 42.65V | 40.16V         | 43.26V | 40.64V |
|                            | Current at Maximum Power (Imp/A) | 10.70A | 8.59A                          | 10.92A | 8.77A                          | 11.01A | 8.84A          | 11.10A | 8.93A  |
|                            | Open Circuit Voltage (Voc/V)     | 50.01V | 47.29V                         | 50.10V | 47.38V                         | 50.31V | 47.84V         | 50.61V | 48.30V |
|                            | Short Circuit Current (Isc/A)    | 11.30A | 9.07A                          | 11.45A | 9.33A                          | 11.53A | 9.42A          | 11.61A | 9.51A  |
|                            | Module Efficiency(%)             | 20.70% |                                | 21.20% |                                | 21.60% |                | 22.00% |        |

## Mechanical Parameters

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Cell Orientation | 6*24 (144) solar half cells                                              |
| Junction Box     | IP 68 3 diodes                                                           |
| Output Cable     | 4.0mm <sup>2</sup> solar cable(IEC)<br>(+)≥350mm (-)≥350mm or customized |
| Glass            | 3.2mm, High Transmission,<br>AR Coated Heat Strengthened Glass           |
| Frame            | 35mm Anodized Aluminium Alloy                                            |
| Weight           | 23.0kg                                                                   |
| Dimension        | 2094*1038*35mm                                                           |
| Packaging        | 31pcs/pallets,726pcs/ 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<br>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.

