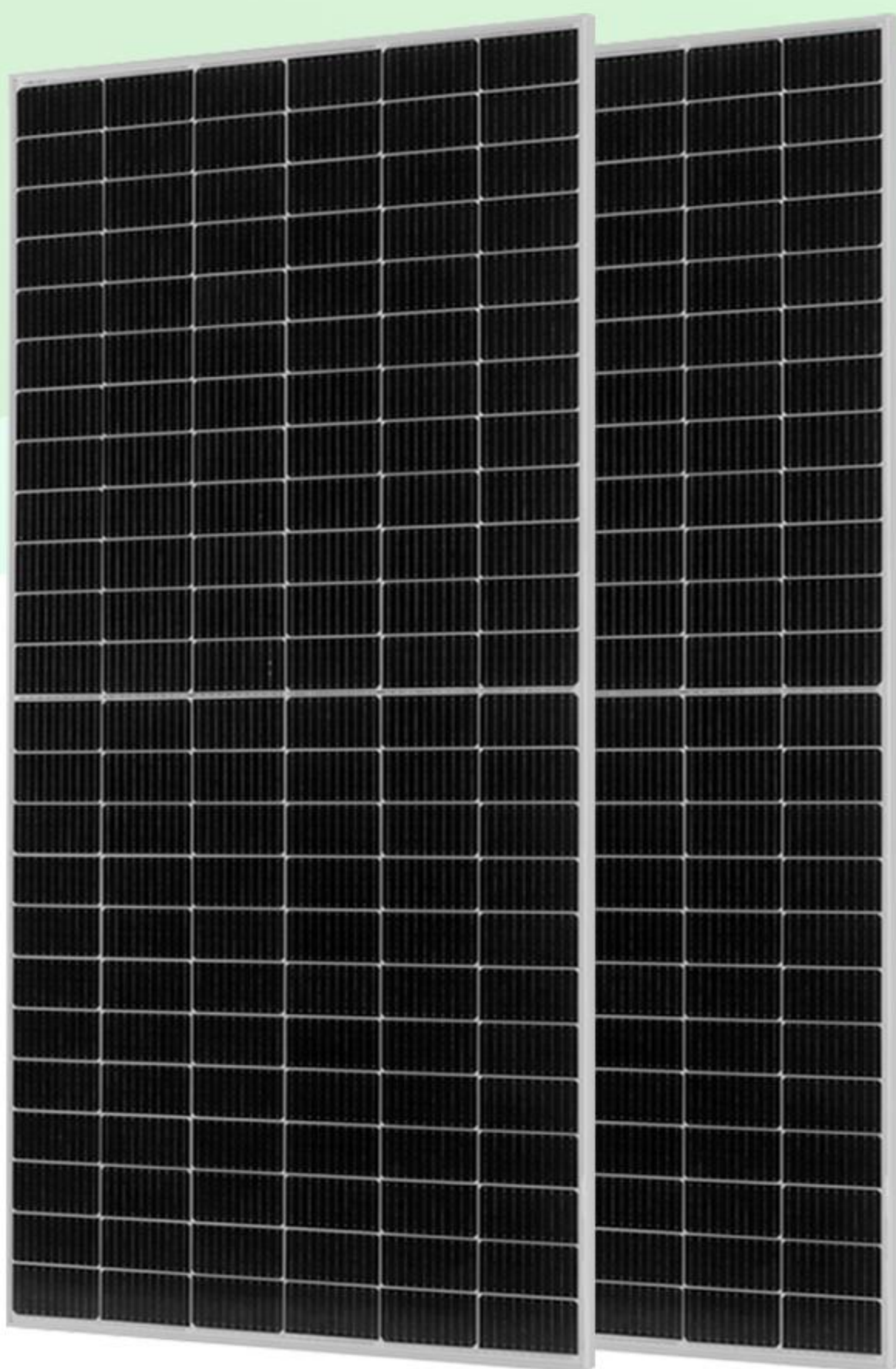


FY -182-144M

MONO-FACIAL MODULE

540W-560W



560W

Maximum Power Output

21.5%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

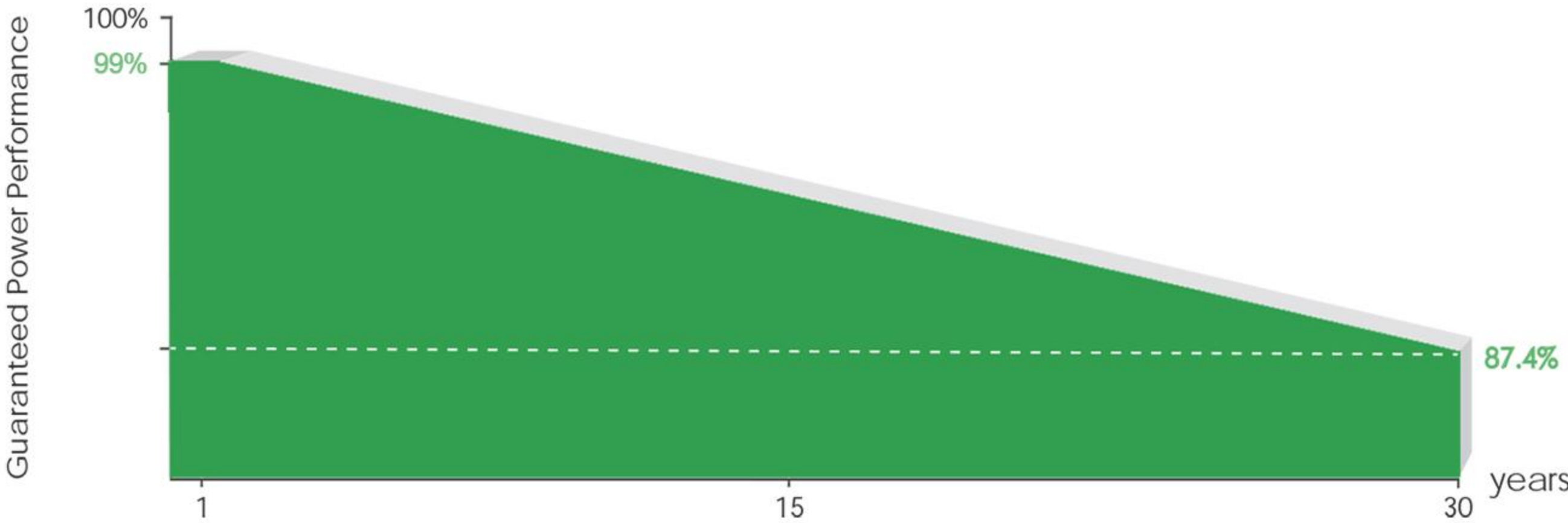
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



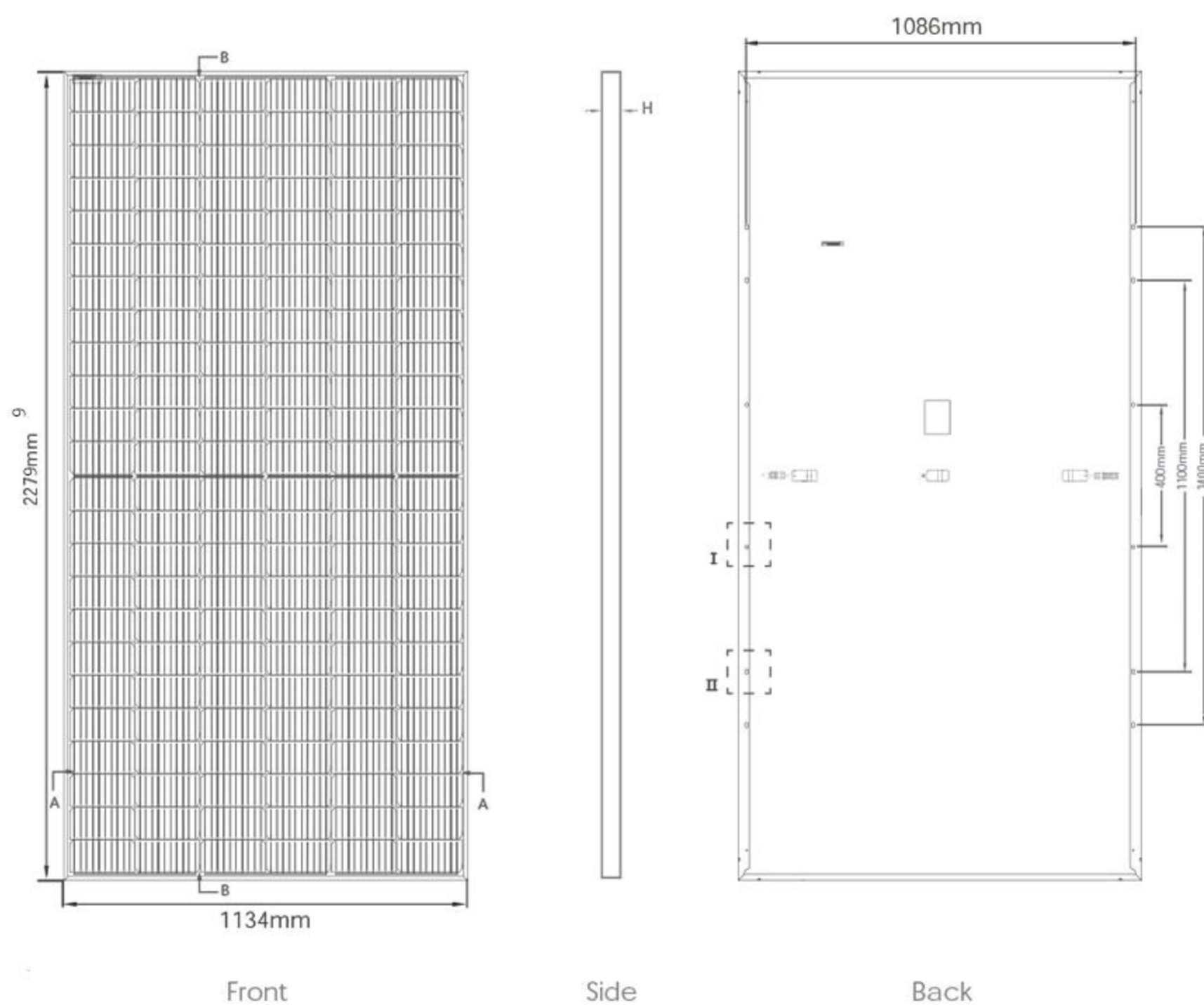
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

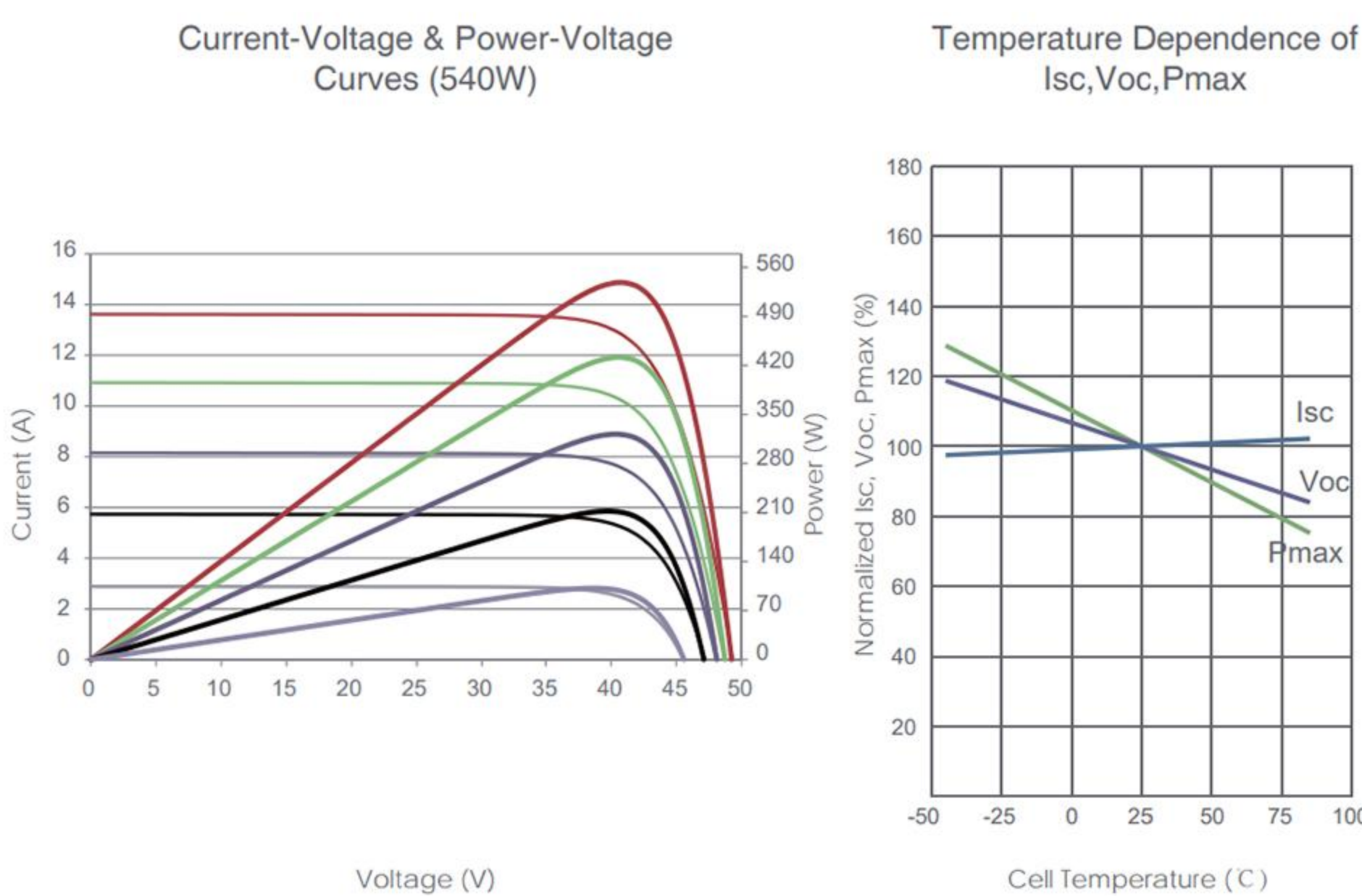
SPECIFICATIONS

| Module Type                               | FY-144-540M       |        | FY-144-545M |        | FY-144-550M |        | FY-144-555M |        | FY-144-560M |        |
|-------------------------------------------|-------------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
|                                           | STC               | NOTC   | STC         | NOTC   | STC         | NOTC   | STC         | NOTC   | STC         | NOTC   |
| Maximum Power (Pmax)                      | 540Wp             | 402Wp  | 545Wp       | 405Wp  | 550Wp       | 409Wp  | 555Wp       | 413Wp  | 560Wp       | 417Wp  |
| Maximum Power Voltage (Vmp)               | 40.70V            | 38.08V | 40.80V      | 38.25V | 40.90V      | 38.42V | 40.99V      | 38.59V | 41.09V      | 38.69V |
| Maximum Power Current (Imp)               | 13.27A            | 10.55A | 13.36A      | 10.60A | 13.45A      | 10.65A | 13.54A      | 10.70A | 13.63A      | 10.77A |
| Open-circuit Voltage (Voc)                | 49.42V            | 46.65V | 49.52V      | 46.74V | 49.62V      | 46.84V | 49.72V      | 46.93V | 49.82V      | 47.02V |
| Short-circuit Current (Isc)               | 13.85A            | 11.19A | 13.94A      | 11.26A | 14.03A      | 11.33A | 14.12A      | 11.40A | 14.21A      | 11.48A |
| Operating Temperature(°C)                 | -40°C~+85°C       |        |             |        |             |        |             |        |             |        |
| Maximum system voltage                    | 1000/1500VDC(IEC) |        |             |        |             |        |             |        |             |        |
| Maximum series fuse rating                | 25A               |        |             |        |             |        |             |        |             |        |
| Power tolerance                           | 0~+3°C            |        |             |        |             |        |             |        |             |        |
| Temperature coefficients of Pmax          | -0.35%/°C         |        |             |        |             |        |             |        |             |        |
| Temperature coefficients of Voc           | -0.28%/°C         |        |             |        |             |        |             |        |             |        |
| Temperature coefficients of Isc           | 0.048%/°C         |        |             |        |             |        |             |        |             |        |
| Nominal operating cell temperature (NOCT) | 45±2°C            |        |             |        |             |        |             |        |             |        |

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

|               |                                        |
|---------------|----------------------------------------|
| Cell Type     | P type Mono-crystalline                |
| NO.of cells   | 144 (6×24)                             |
| Dimensions    | 2279×1134×35mm (89.53×44.65×1.38 inch) |
| Weight        | 28 kg (61.73 lbs)                      |
| Output Cables | TUV 1X4.0mm²                           |
| Junction Box  | IP68Rated                              |

Packaging Configuration

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container