

# Sun-Pursuit Series

Monocrystalline  
144 - cell Module

TW-555HT

**530-555W**

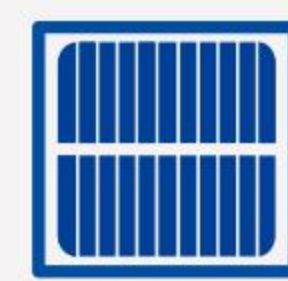
0-3% Positive Tolerance



Monocrystalline



Half Cell



10BB



Grade A



## • MODULE FEATURES



### High efficiency

PERC technology improves efficiency, increases power generation, and contributes to lower LCOE.



### Lower heat spot Risk

Innovative circuit design and "Half Cell" structure decrease the temperature of heat spots and effectively reduce power loss.



### Excellent low-light performance

Reliable performance in low-light conditions such as in the morning, at dusk or during raining days.



### Resilient to wxtreme weather

Carefully selected materials ensure the module still works well under the condition of 2400Pa wind load and 5400Pa snow load.



### PID resistant

High quality solar cell and advanced processing technology contribute to excellent PID resistance performance.

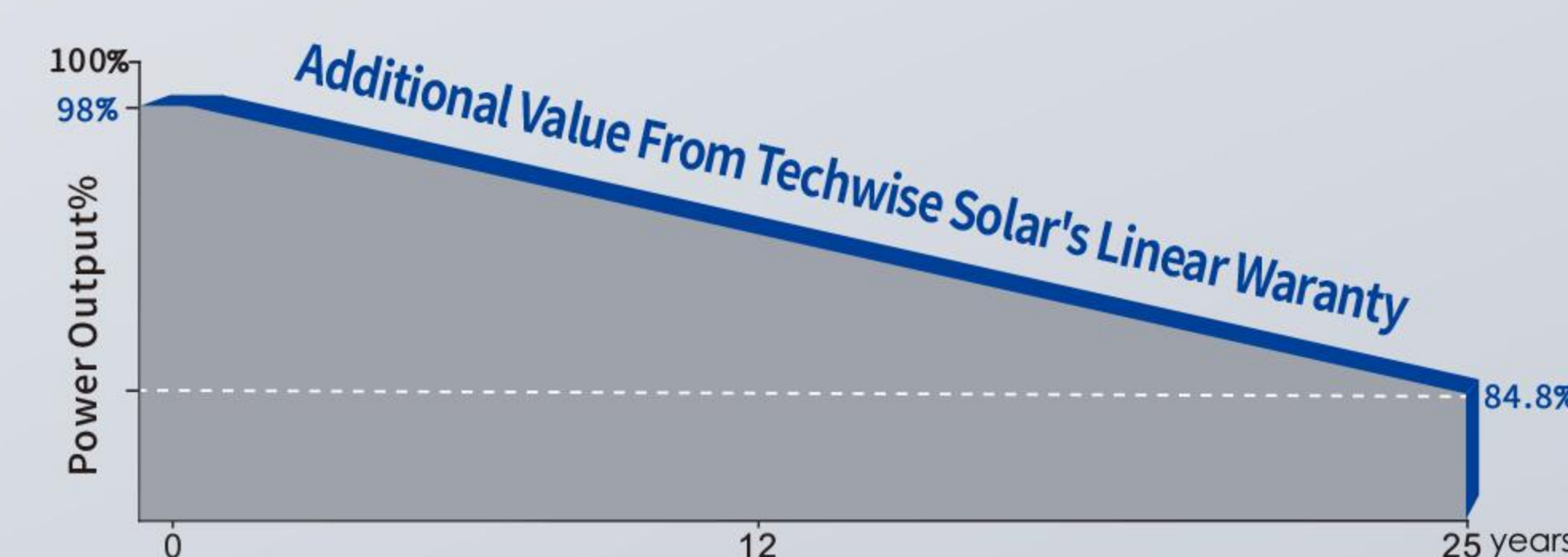
## • Quality Certification



## • Product Qualification



## • Performance Warranty



**12** 12 Years Product Warranty

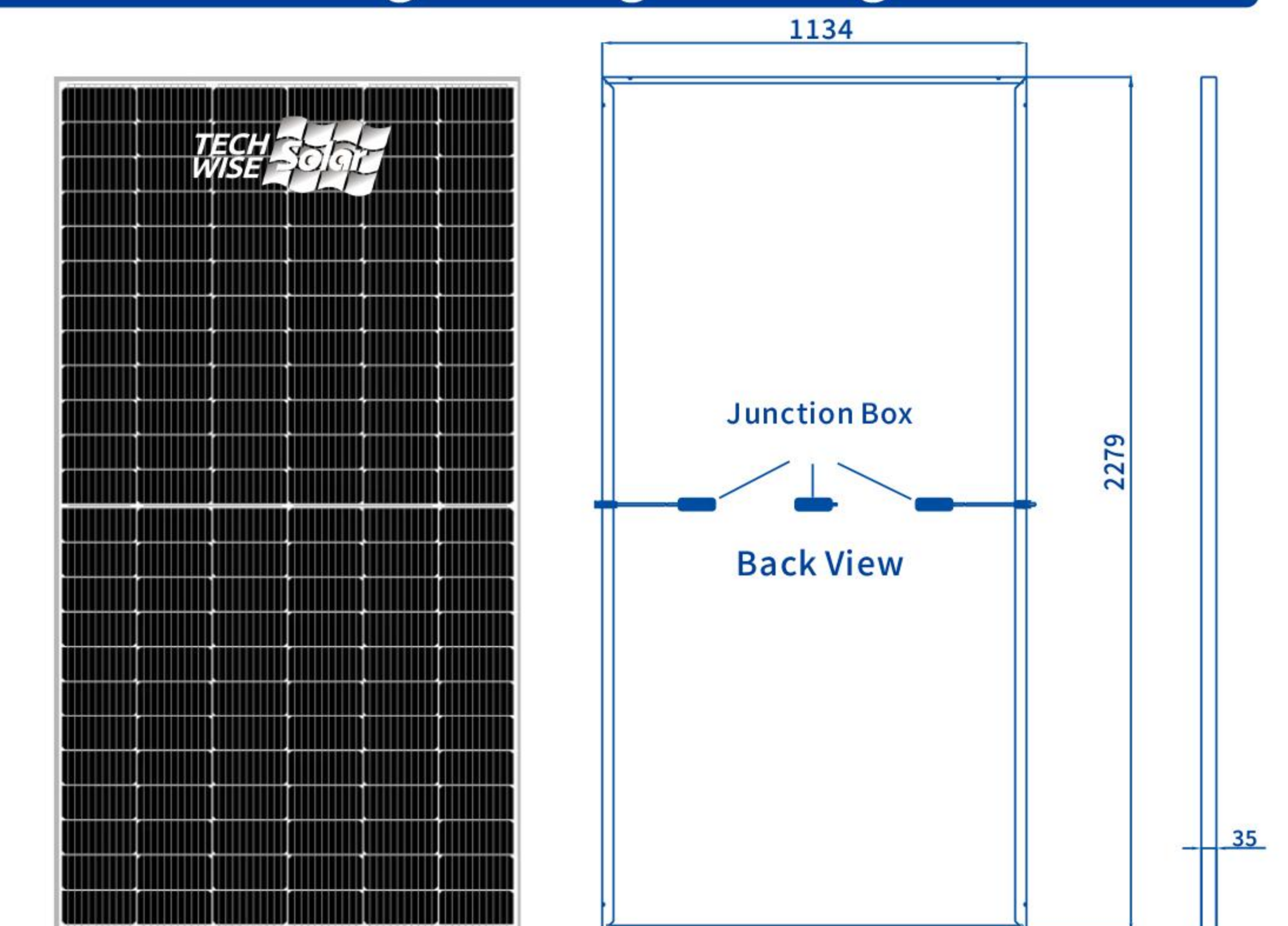
**25** 25 Years Linear Power Warranty

## TW-555HT

### • Product Specification •

|                      |                                  |
|----------------------|----------------------------------|
| Cell Type            | Mono crystalline                 |
| Cell Quantity        | 144 cell                         |
| Cell Size (mm)       | 182*91                           |
| Module Size (mm)     | 2279*1134*35                     |
| Module Weight (kg)   | 27                               |
| Glass Thickness (mm) | 3.2                              |
| Frame Material       | Anodized aluminum alloy          |
| Junction Box         | IP68                             |
| Cable/Connector      | 4mm <sup>2</sup> , MC4compatible |
| Cable Length         | +300mm/-300mm; or Customize      |
| Max System Volt(V)   | 1500V DC                         |
| Max Fuse Rate(A)     | 25                               |
| Power Tolerance      | 0+3%                             |

### • Engineering Drawings •



### • Electrical Characteristics •

#### STC standard performance >>>

|                      |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|
| Power Level          | 530   | 535   | 540   | 545   | 550   | 555   |
| Pmax(W)              | 530   | 535   | 540   | 545   | 550   | 555   |
| Vmp(V)               | 41.40 | 41.55 | 41.70 | 41.85 | 42.00 | 42.15 |
| Imp(A)               | 12.81 | 12.88 | 12.95 | 13.03 | 13.10 | 13.17 |
| Voc(V)               | 49.25 | 49.40 | 49.55 | 49.70 | 49.85 | 50.00 |
| Isc(A)               | 13.73 | 13.79 | 13.85 | 13.91 | 13.97 | 14.02 |
| Module Efficiency(%) | 20.51 | 20.70 | 20.89 | 21.09 | 21.28 | 21.48 |

#### NOCT standard performance >>>

|             |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|
| Power Level | 530   | 535   | 540   | 545   | 550   | 555   |
| Pmax(W)     | 401   | 405   | 409   | 412   | 416   | 420   |
| Vmp(V)      | 38.48 | 38.67 | 38.89 | 39.14 | 39.28 | 39.45 |
| Imp(A)      | 10.42 | 10.47 | 10.52 | 10.53 | 10.59 | 10.65 |
| Voc(V)      | 46.16 | 46.28 | 46.40 | 46.59 | 46.80 | 47.01 |
| Isc(A)      | 11.05 | 11.09 | 11.13 | 11.17 | 11.21 | 11.25 |

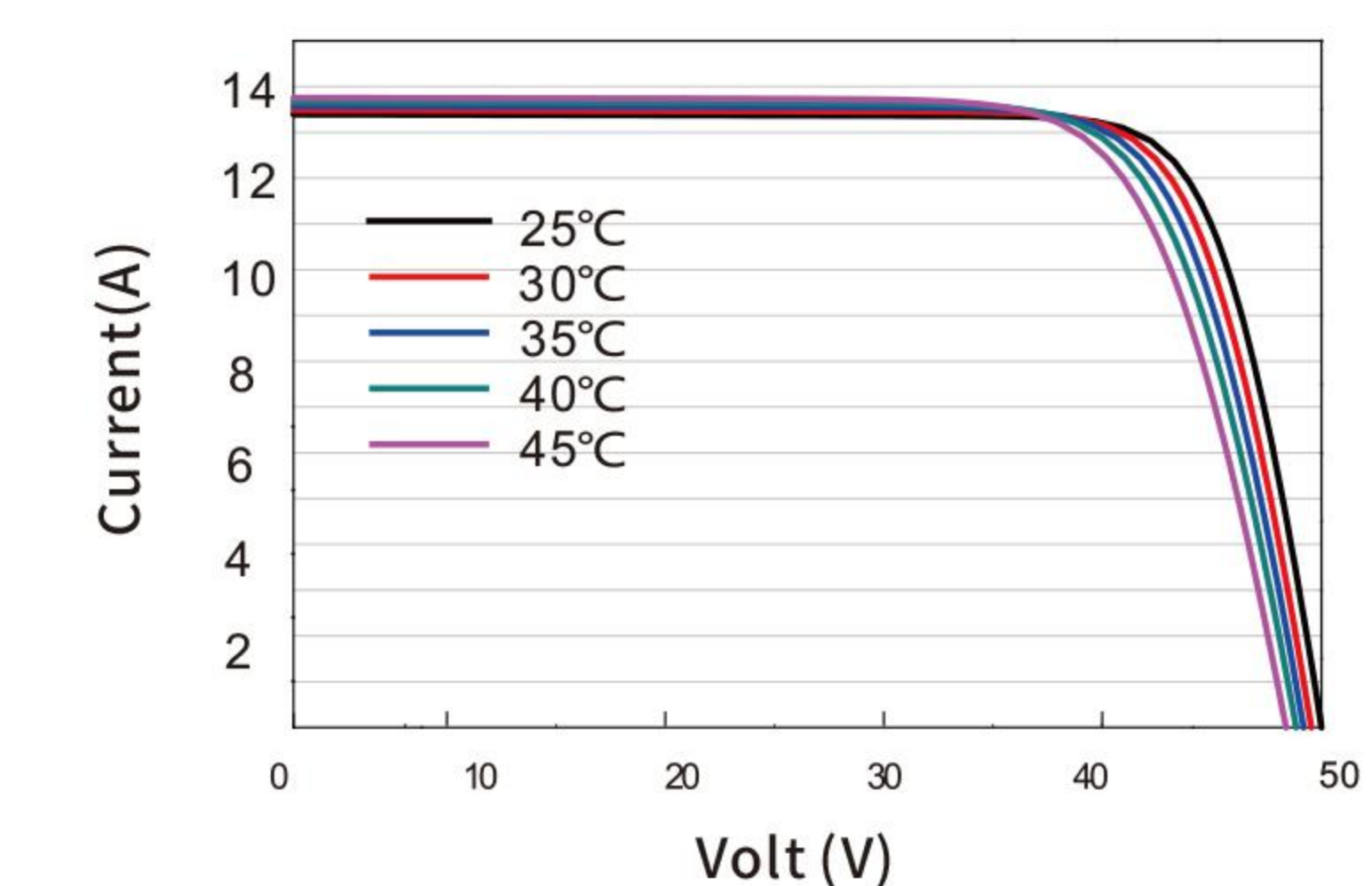
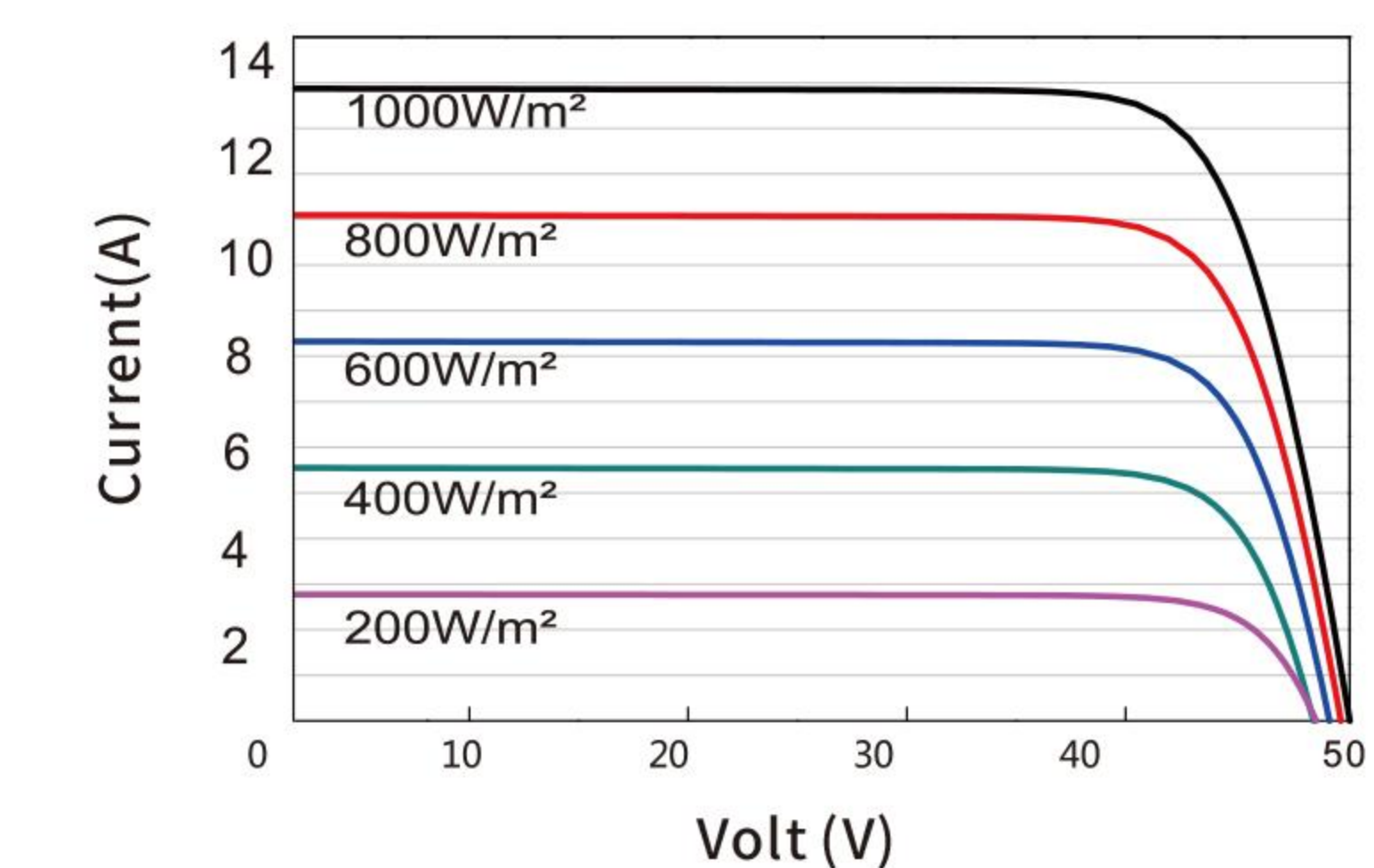
STC: Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### • Temperature Characteristics •

|                            |                                       |
|----------------------------|---------------------------------------|
| Operating Temp(°C)         | -40-85                                |
| Operating Humidity(°C)     | 5-85                                  |
| Hail Load Tolerance        | 25mm hailstone with velocity of 23m/s |
| Temp Coefficient           | -0.350                                |
| Temp Coefficient Isc (%°C) | 0.05                                  |
| Temp Coefficient Voc (%°C) | -0.275                                |
| Operating Temp (°C)        | 44±2                                  |

### • I-V Curve •



### • Packaging Info •

|                           |                |
|---------------------------|----------------|
| Pieces per Pallet         | 31             |
| Size of Packaging (mm)    | 2305*1125*1270 |
| Weight of per Pallet (kg) | 862            |
| Pieces per Container      | 620            |
| Size of Container         | 40'HC          |



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(Mar 2024 V3 Edition)