

Sun-Pursuit Pro Series

TOPCon
132-cell Module

TW-540HP

520-540W

0-3% Positive Tolerance



• MODULE FEATURES

- High Efficiency**
TOPCon 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 Extreme 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.

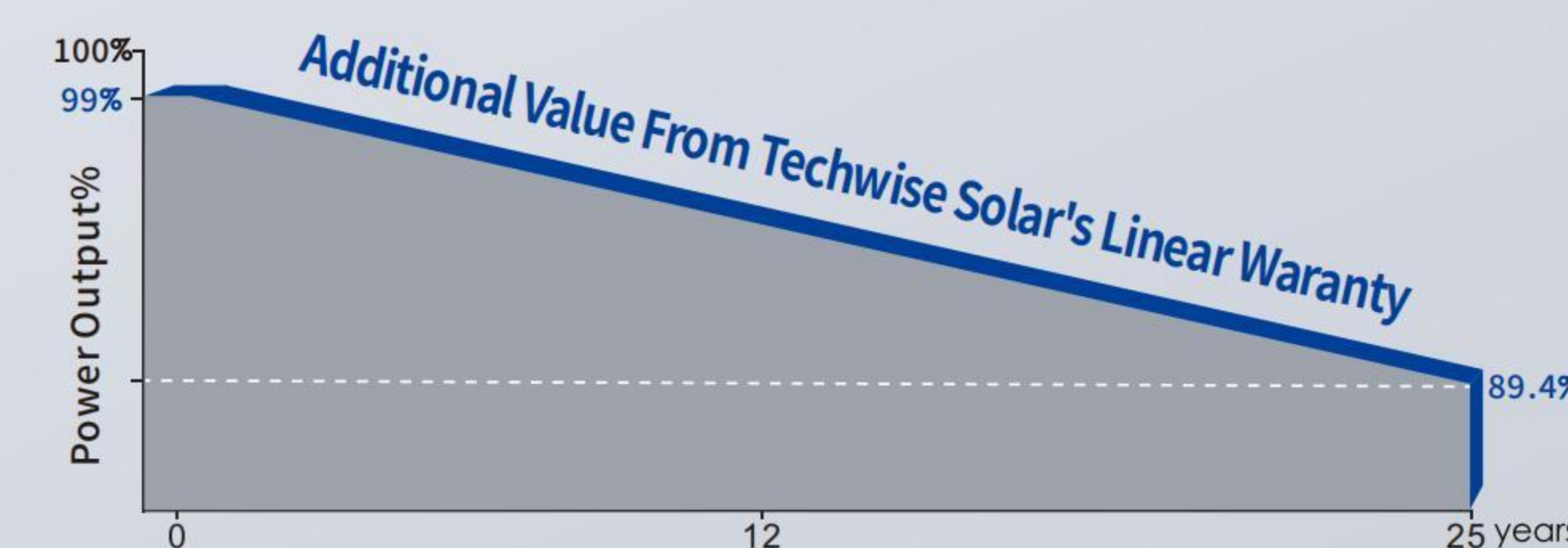
• Quality Certification



• Product Qualification



• Performance Warranty



12 12 Years Product Warranty

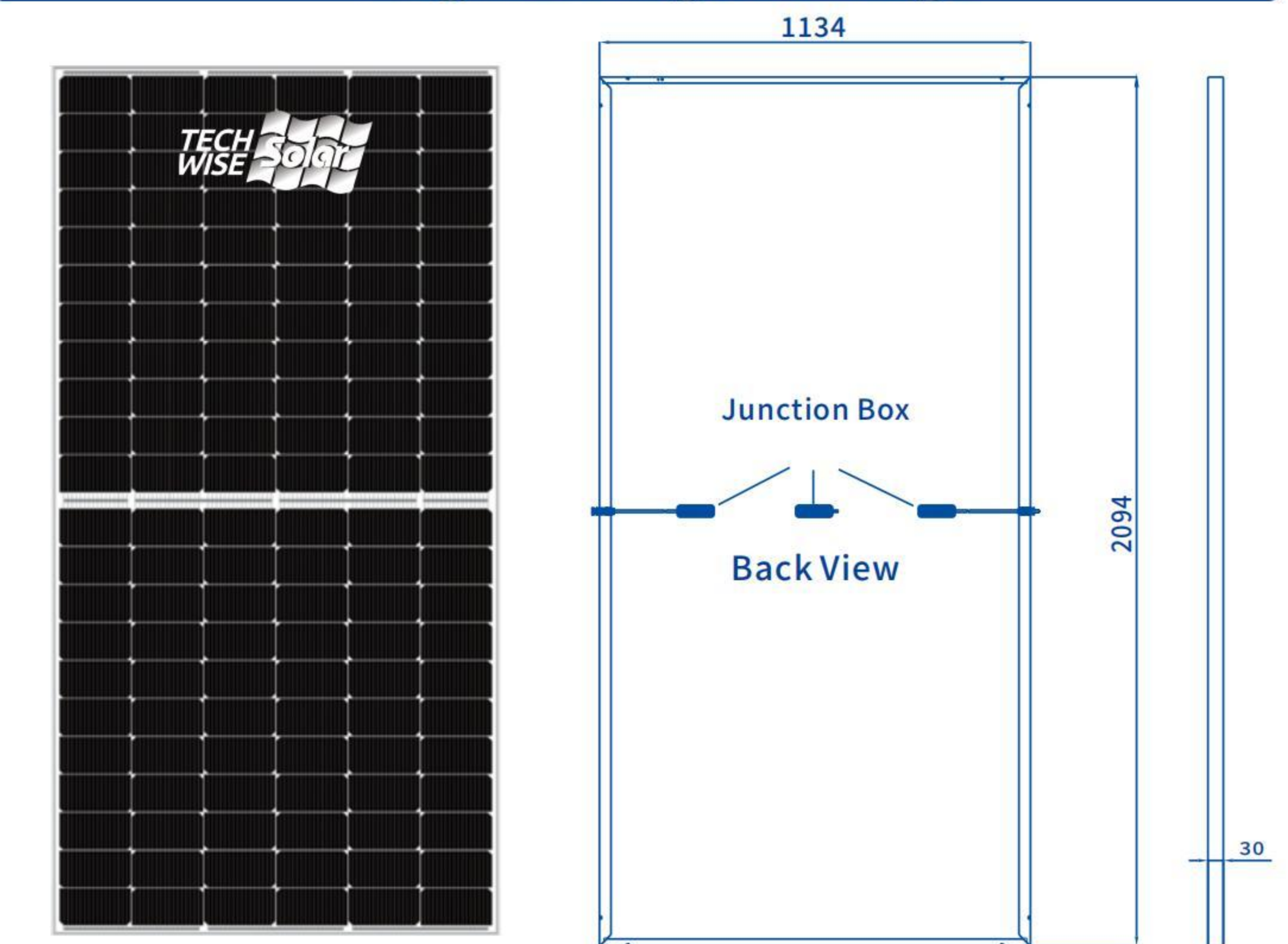
25 25 Years Linear Power Warranty

TW-540HP

• Product Specification •

| | |
|---------------------|----------------------------------|
| Cell Type | Mono crystalline |
| Cell Quantity | 132 cell |
| Cell Size(mm) | 182*91 |
| Module Size (mm) | 2094*1134*35 |
| Module Weight (kg) | 26 |
| Glass Thickness(mm) | 3.2 |
| Frame Material | Anodized aluminum alloy |
| Junction Box | IP68 |
| Cable/Connector | 4mm ² , 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 | 520 | 525 | 530 | 535 | 540 |
| Pmax(W) | 520 | 525 | 530 | 535 | 540 |
| Vmp(V) | 39.90 | 40.05 | 40.21 | 40.39 | 40.52 |
| Imp(A) | 13.02 | 13.12 | 13.19 | 13.26 | 13.34 |
| Voc(V) | 48.26 | 48.41 | 48.58 | 48.73 | 48.86 |
| Isc(A) | 13.83 | 13.94 | 14.01 | 14.08 | 14.16 |
| Module Efficiency(%) | 21.90 | 22.10 | 22.31 | 22.53 | 22.74 |

NOCT standard performance >>>

| | | | | | |
|-------------|-------|-------|-------|-------|-------|
| Power Level | 520 | 525 | 530 | 535 | 540 |
| Pmax(W) | 388 | 392 | 396 | 399 | 403 |
| Vmp(V) | 36.41 | 36.54 | 36.69 | 36.84 | 36.98 |
| Imp(A) | 10.67 | 10.75 | 10.81 | 10.87 | 10.93 |
| Voc(V) | 45.33 | 45.45 | 45.61 | 45.76 | 45.90 |
| Isc(A) | 11.17 | 11.24 | 11.30 | 11.36 | 11.42 |

STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5
NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

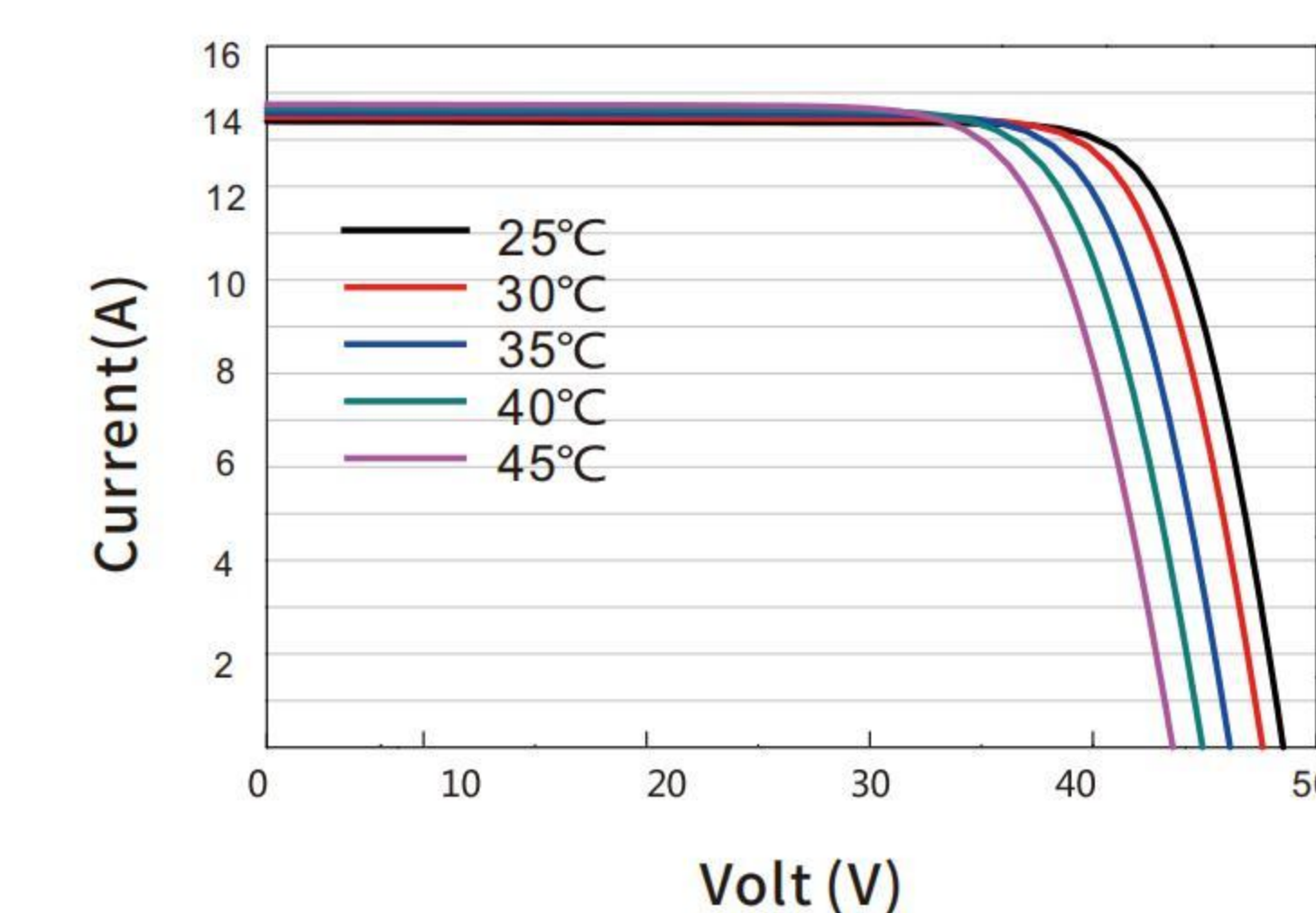
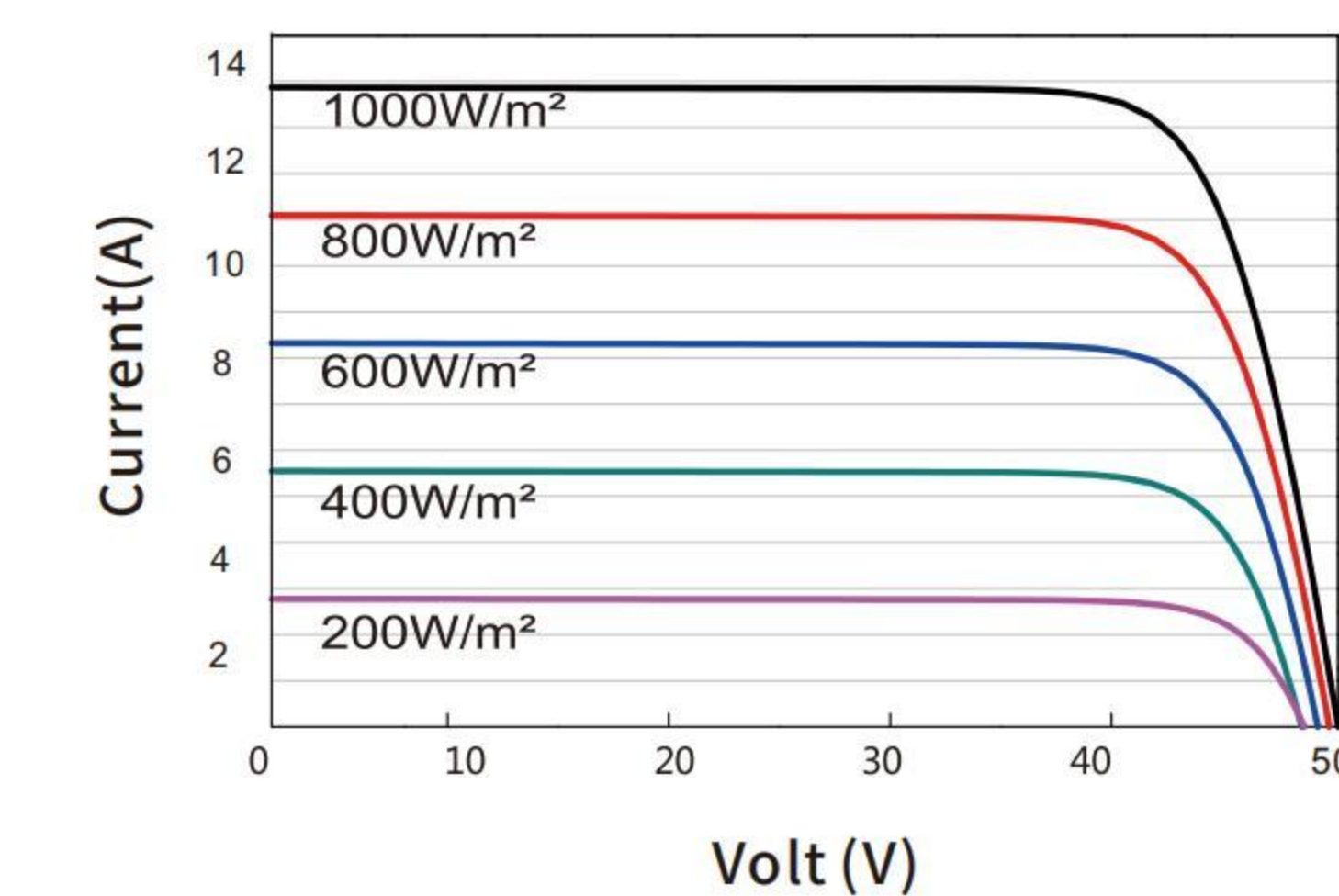
• Temperature Characteristics •

| | |
|-----------------------------|---------------------------------------|
| Operating Temp(°C) | -40~85 |
| Operating Humidity(°C) | 5~85 |
| Hail Load Tolerance | 25mm hailstone with velocity of 23m/s |
| Temp Coefficient | -0.340 |
| Temp Coefficient Isc (%/°C) | 0.04 |
| Temp Coefficient Voc (%/°C) | -0.25 |
| Operating Temp(°C) | 44±2 |



Add: Shangman Industrial Park, Caobu Town
Rudong County, Nantong City, Jiangsu Province, China
Tel: 86-513-81900128
Web: www.techwisesolar.com
Email: salesdept@techwisesolar.com

• I-V Curve •



• Packaging Info •

| | |
|--------------------------|----------------|
| Pieces per Pallet | 31 |
| Size of Packaging(mm) | 2120*1125*1270 |
| Weight of per Pallet(kg) | 831 |
| Pieces per Container | 682 |
| Size of Container | 40'HC |

All data and specifications included in this brochure may subject to be modified without notice.
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