

Sun-Pursuit Series

Perc Bifacial
120 - cell Module

TW-465HC

450-465W

0-3% Positive Tolerance



Monocrystalline



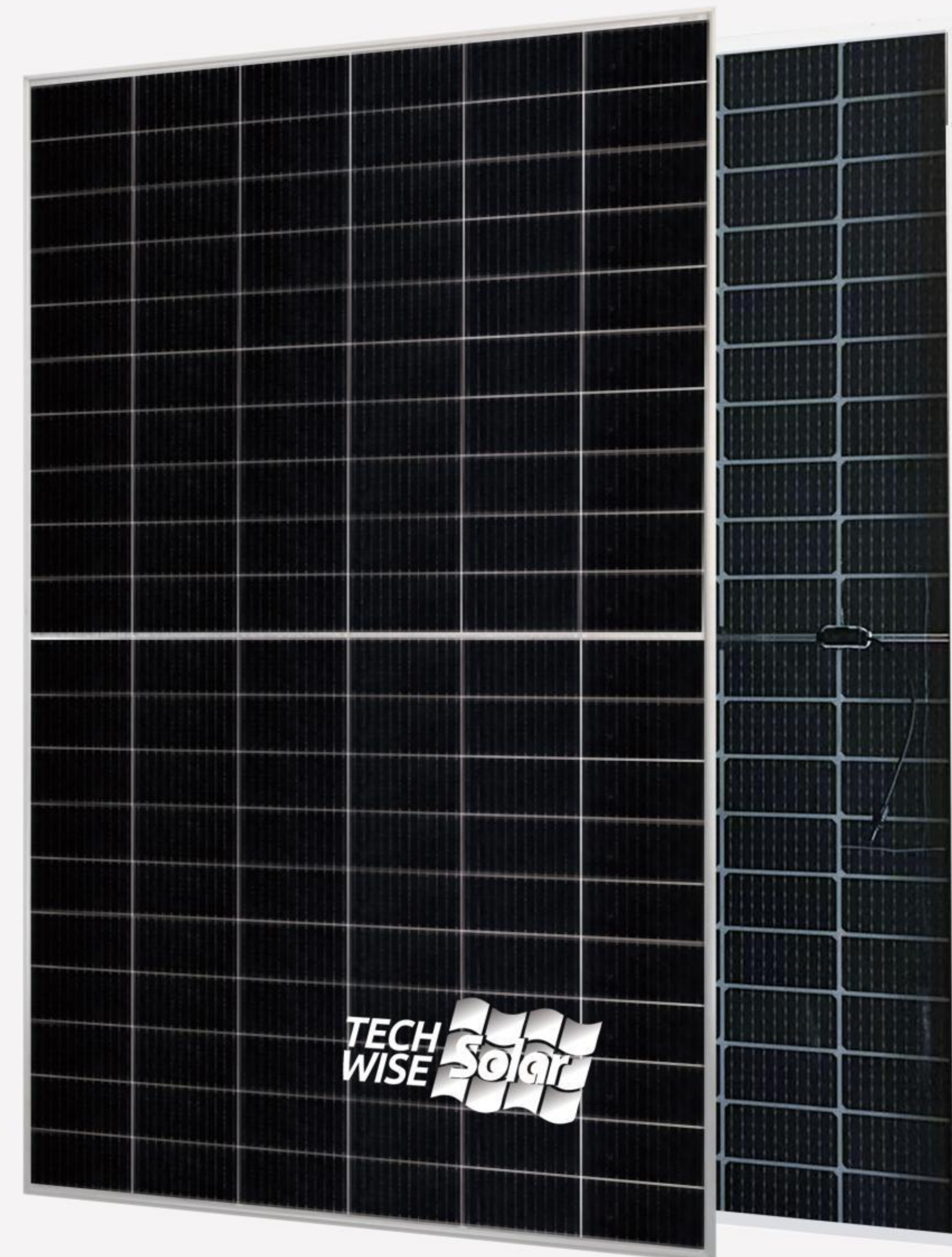
Half Cell



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 Extreme Weather**
Carefully selected materials ensure the module still works well under the condition of 2400Pa wind load and 5400Pa snow load.
- ANTI PID**
High quality solar cell and advanced processing technology contribute to excellent PID resistance performance.
- Double-sided electricity generation**
Power can be generated on both sides to support additional output gains of up to 25%. The multi-busbar half-cut technology can boost energy density to deliver higher output.

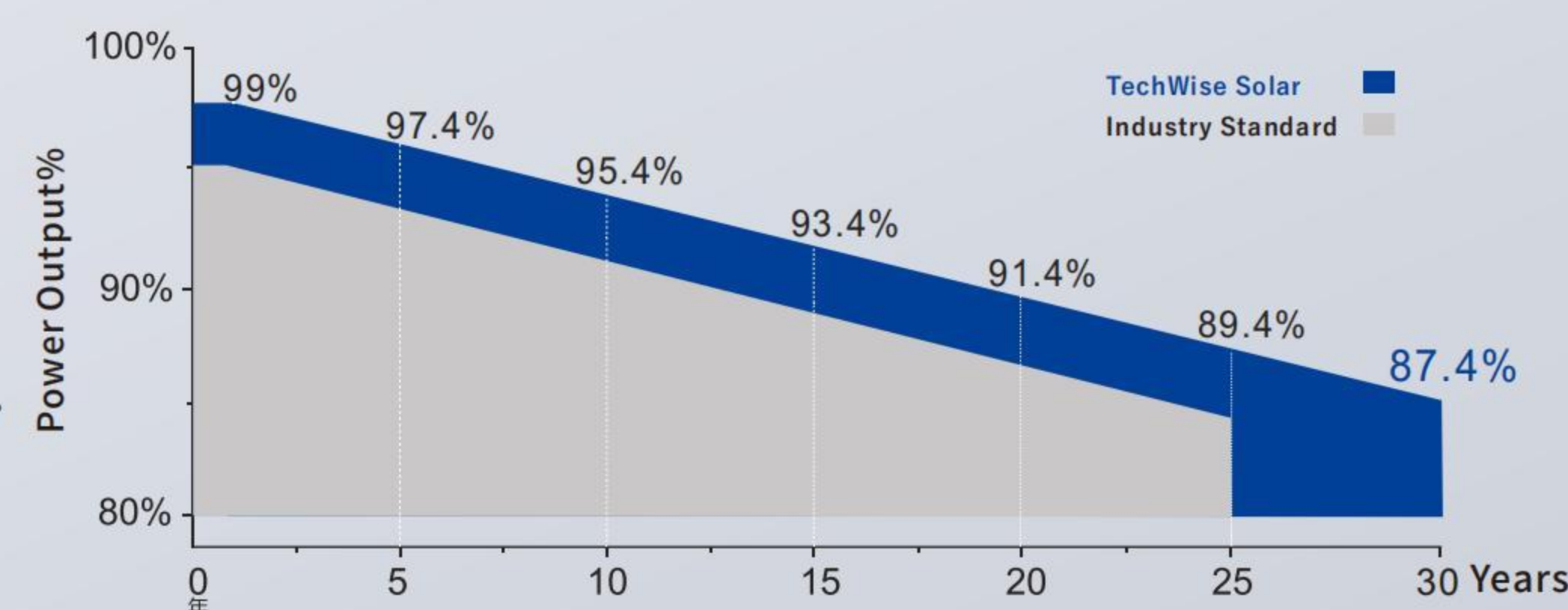
• Quality Certification



• Product Qualification



• Performance Warranty



15 15 Years Product Warranty

30 30 Years Linear Power Warranty

TW-465HC

• Module Specification •

Cell Type	Mono crystalline
Cell Quantity	120 cell
Cell Size (mm)	182*91
Module Size (mm)	1909*1134*35
Module Weight (kg)	28
Glass Thickness (mm)	2.0
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm ² , MC4 compatible
Cable Length	+300mm/-300mm; or Customize
Max System Volt (V)	1500V DC
Max Fuse Rate (A)	25
Power Tolerance	0~+3%

• Electrical Characteristics •

STC standard performance >>>

Power Level	450	455	460	465
Pmax(W)	450	455	460	465
Vmp(V)	34.75	35.06	35.37	35.69
Imp(A)	12.93	12.96	12.99	13.02
Voc(V)	41.72	41.92	42.12	42.33
Isc(A)	13.66	13.69	13.71	13.73
Module Efficiency(%)	20.79	21.02	21.25	21.48

NOCT standard performance >>>

Power Level	450	455	460	465
Pmax(W)	341	344	348	351
Vmp(V)	32.87	33.08	33.29	33.50
Imp(A)	10.37	10.40	10.45	10.51
Voc(V)	39.20	39.41	39.62	39.97
Isc(A)	11.00	11.05	11.10	11.15

• Bifacial output-backside power gain •

5% Pmax(W)	473	478	483	488
5% Module Efficiency	21.85	22.08	22.31	22.55
15% Pmax(W)	518	523	529	535
15% Module Efficiency	23.93	24.16	24.44	24.70
25% Pmax(W)	563	569	575	581
25% Module Efficiency	26.00	26.28	26.56	26.85

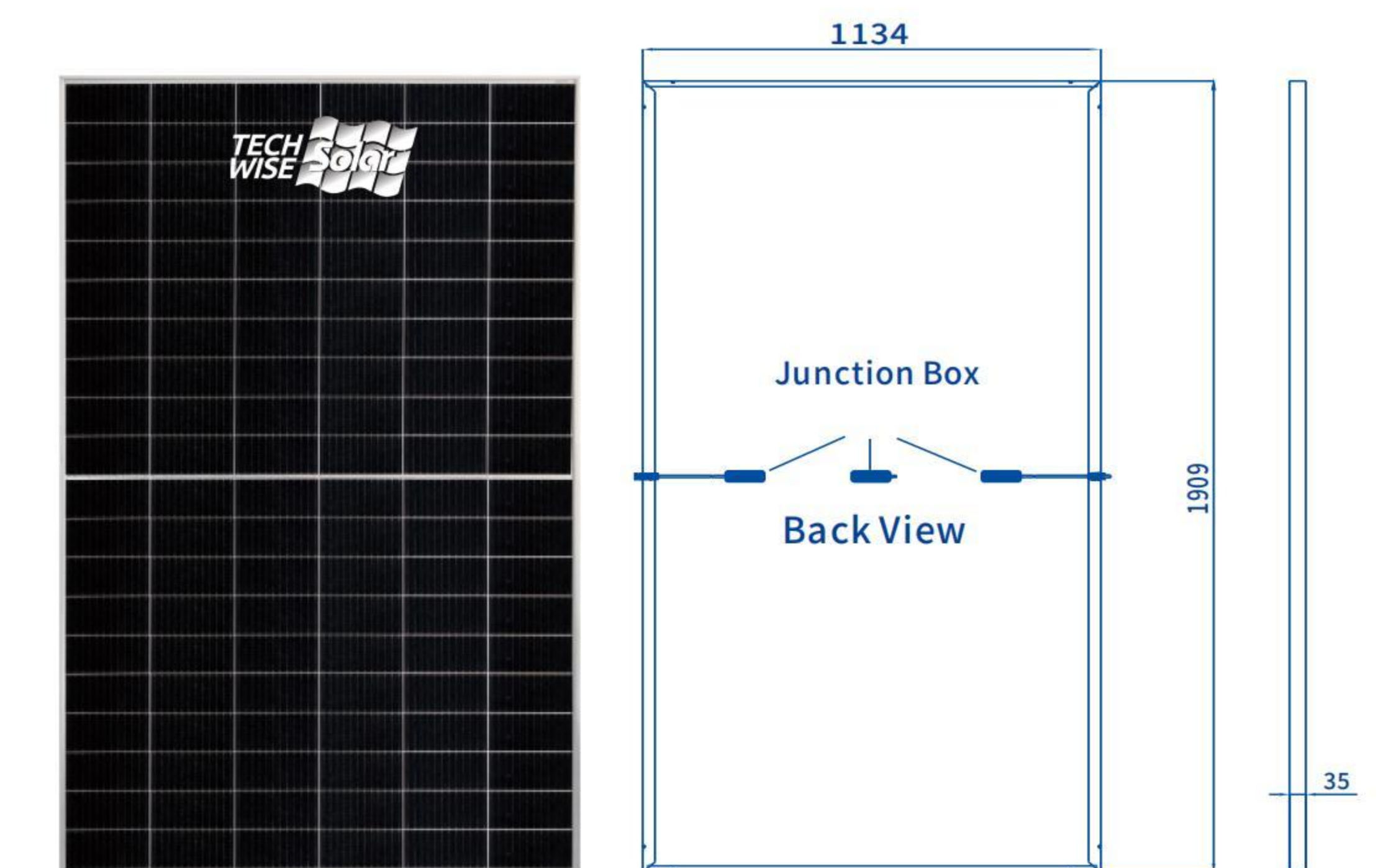
• Temperature Characteristics •

Operating Temp (°C)	-40~85
Operating Humidity (°C)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient	-0.35
Temp Coefficient Isc (%°C)	0.05
Temp Coefficient Voc (%°C)	-0.275
Operating Temp (°C)	44±2

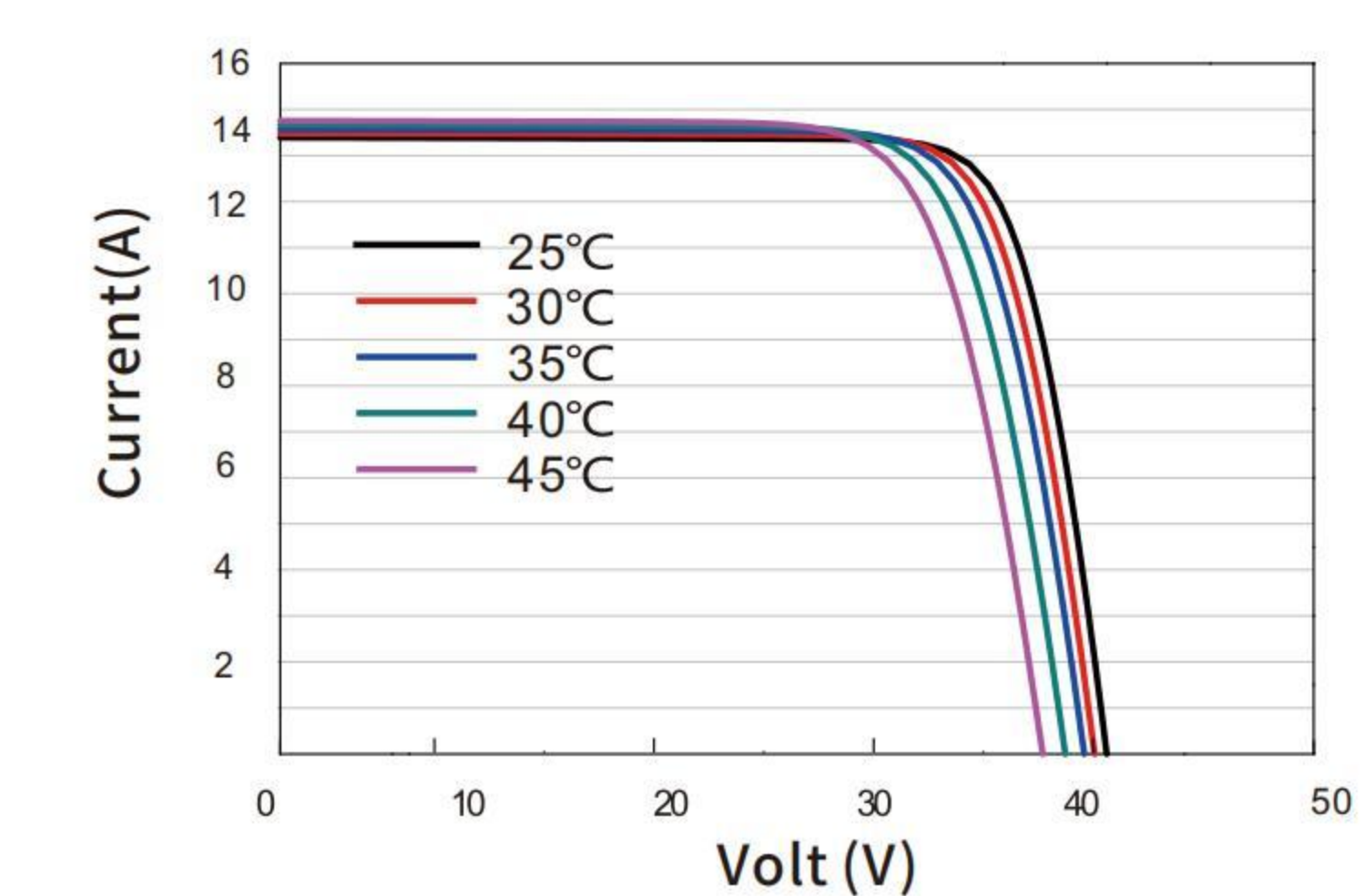
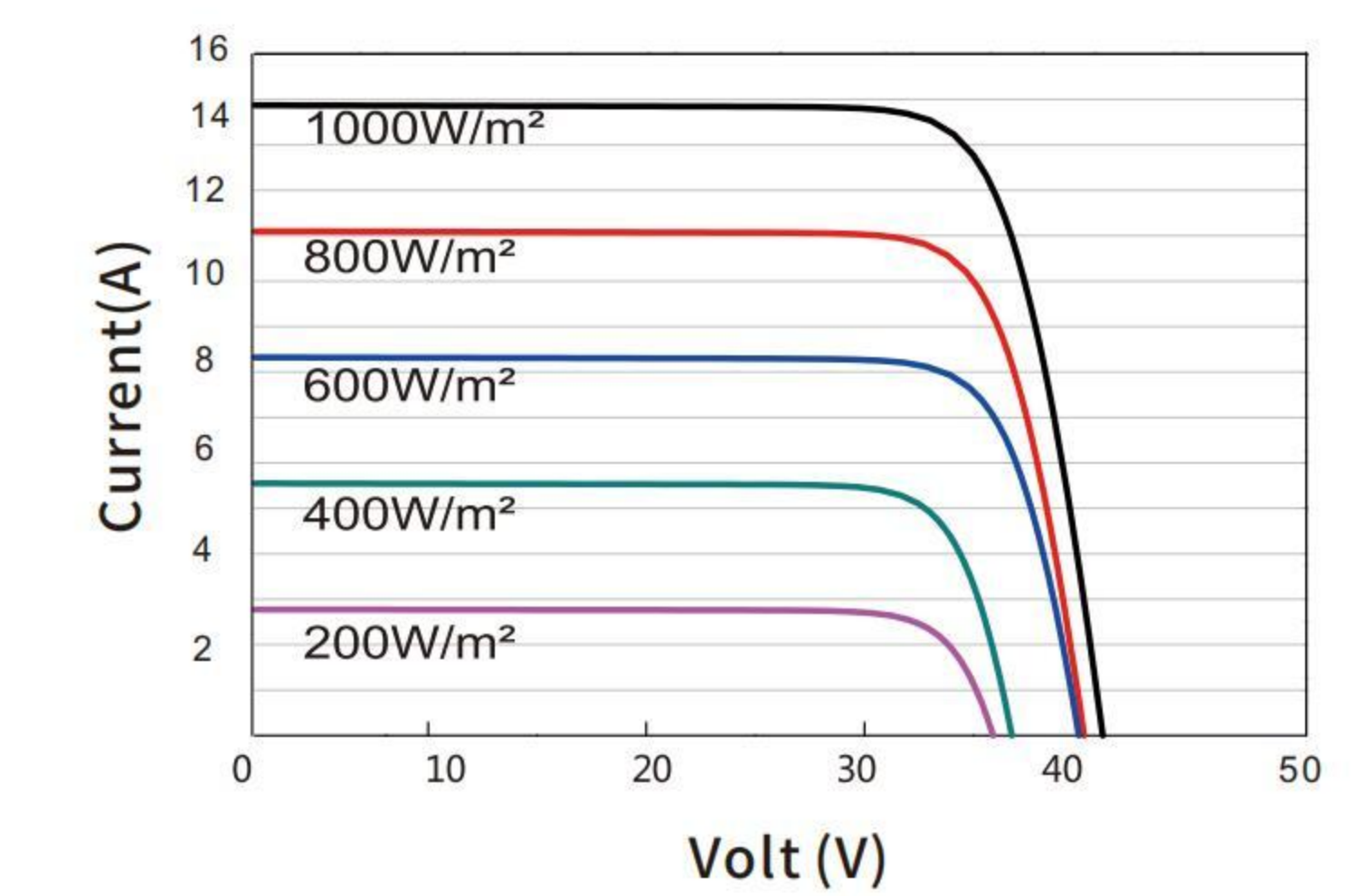


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• Engineering Drawings •



• I-V Curve •



• Packaging Info •

Pieces per Pallet	31
Size of Packaging (mm)	1925*1125*1270
Weight of per Pallet (kg)	893
Pieces per Container	744
Size of Container	40'HC

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