

Sun-Pursuit Pro Series

TOPCon Bifacial Module
With Dual Glass

TW-580TSD-1

560-580W

0-3% Positive Tolerance



Monocrystalline



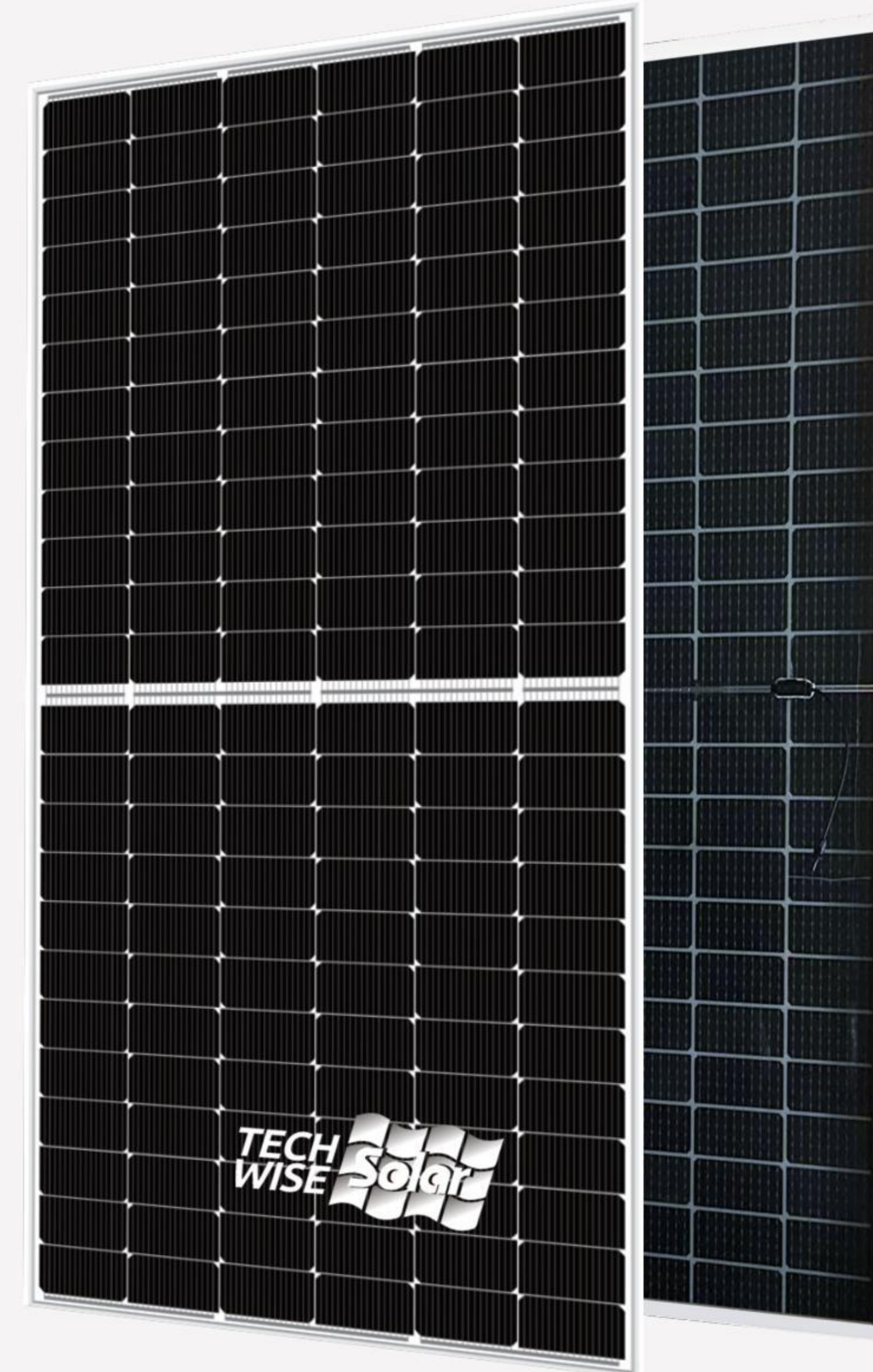
Half Cell



16BB



Grade A



• 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.
- 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.

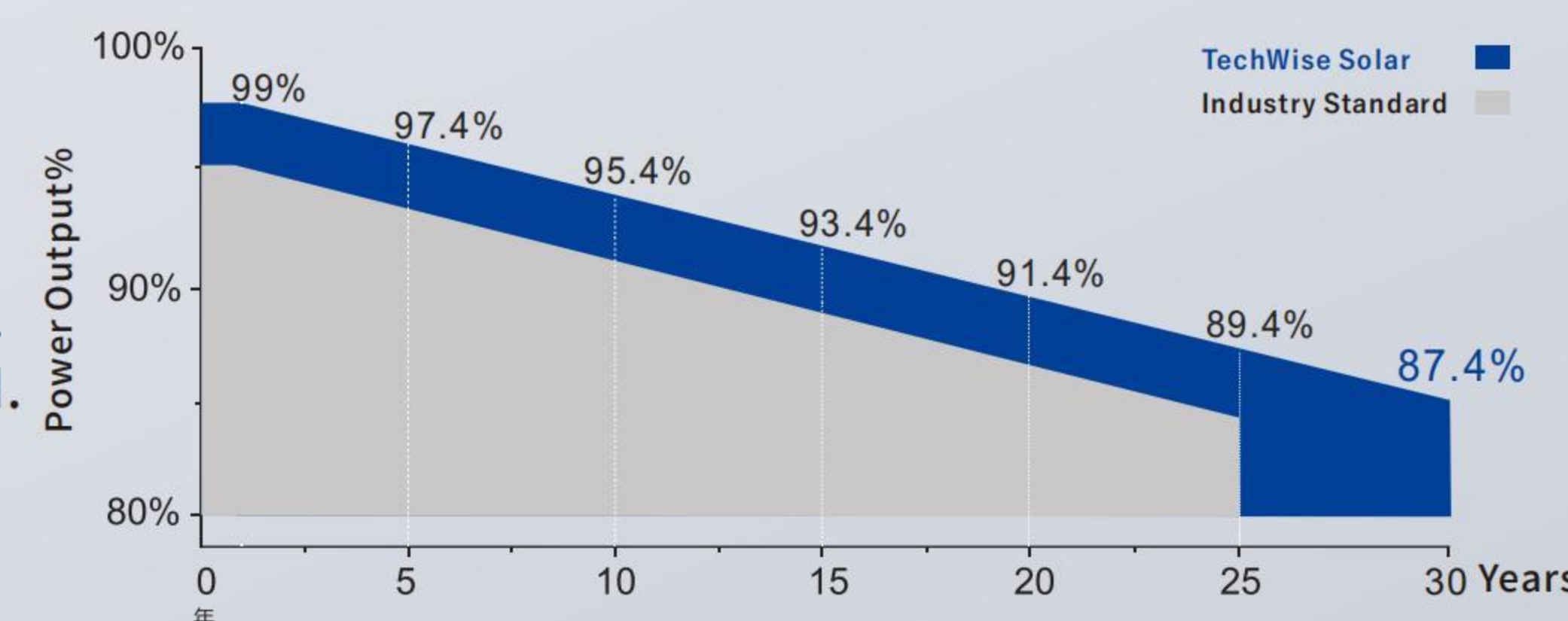
• Quality Certification



• Product Qualification



• Performance Warranty



15 15 Years Product Warranty

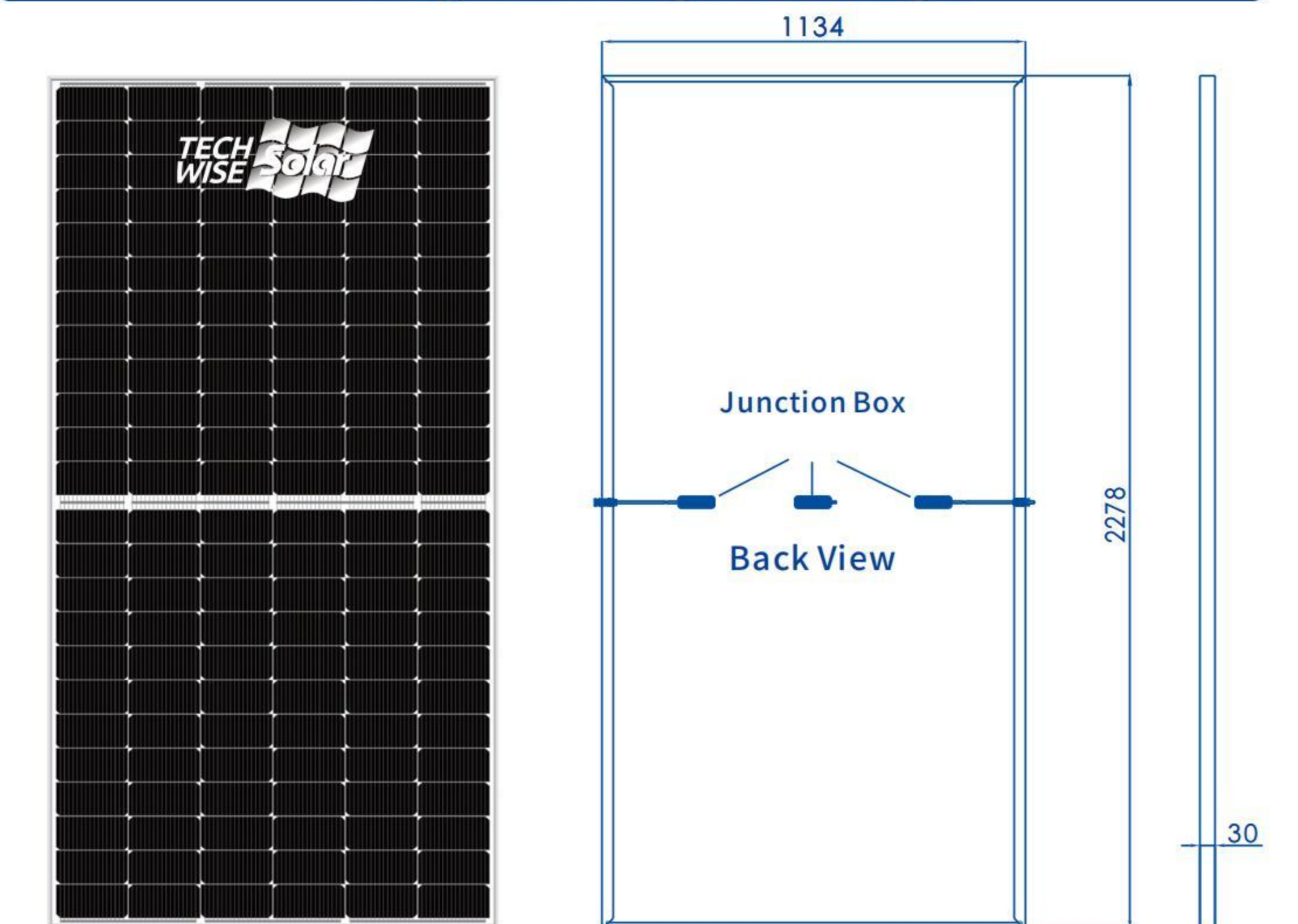
30 30 Years Linear Power Warranty

TW-580TSD-1

• Product Specification •

Cell Type	Mono crystalline
Cell Quantity	144 cell
Cell Size(mm)	182*91
Module Size (mm)	2278*1134*30
Module Weight (kg)	32
Glass Thickness(mm)	2.0
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)	30
Power Tolerance(%)	0+3%

• Engineering Drawings •



• Electrical Characteristics •

STC standard performance >>>

Power Level	560	565	570	575	580
Pmax(W)	560	565	570	575	580
Vmp(V)	43.28	43.58	43.87	44.17	44.46
Imp(A)	12.96	12.99	13.02	13.05	13.08
Voc(V)	51.52	51.63	51.75	51.86	51.98
Isc(A)	13.56	13.58	13.59	13.61	13.63
Module Efficiency(%)	21.67	21.86	22.06	22.25	22.44

NOCT standard performance >>>

Power Level	560	565	570	575	580
Pmax(W)	422	426	430	433	437
Vmp(V)	39.43	39.63	39.83	40.03	40.23
Imp(A)	10.71	10.75	10.80	10.82	10.87
Voc(V)	48.15	48.34	48.53	48.72	48.91
Isc(A)	11.41	11.46	11.51	11.56	11.61

STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

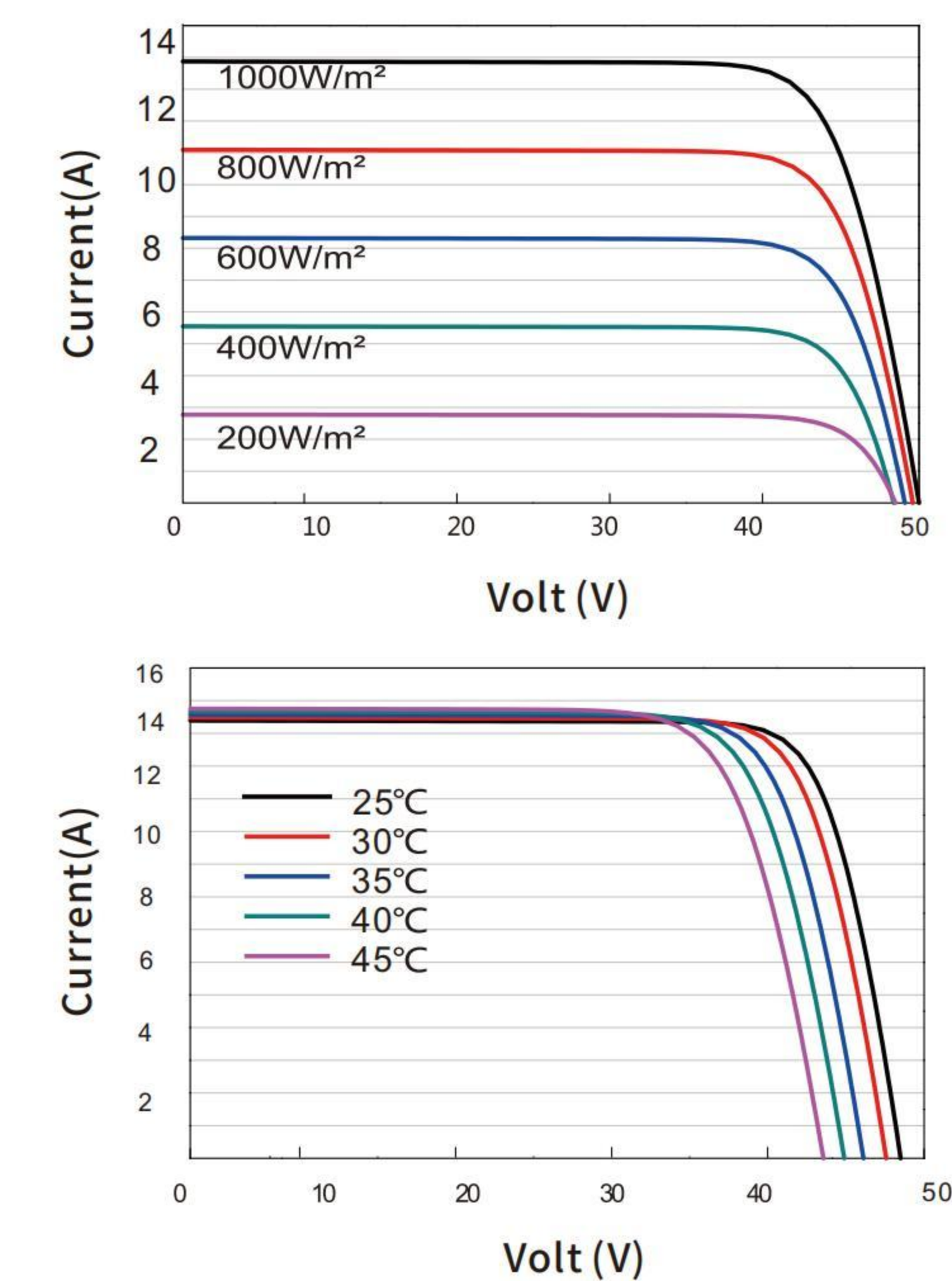
• Temperature Characteristics •

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



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• I-V Curve •



• Packaging Info •

Pieces per Pallet	36
Size of Packaging(mm)	2305*1125*1270
Weight of per Pallet(kg)	1177
Pieces per Container	720
Size of Container	40'HC

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