

# Sun-Pursuit Pro Series

TOPCon Bifacial  
156 - cell Module

TW-635HD-1

**615-635W**

0-3% Positive Tolerance



Monocrystalline



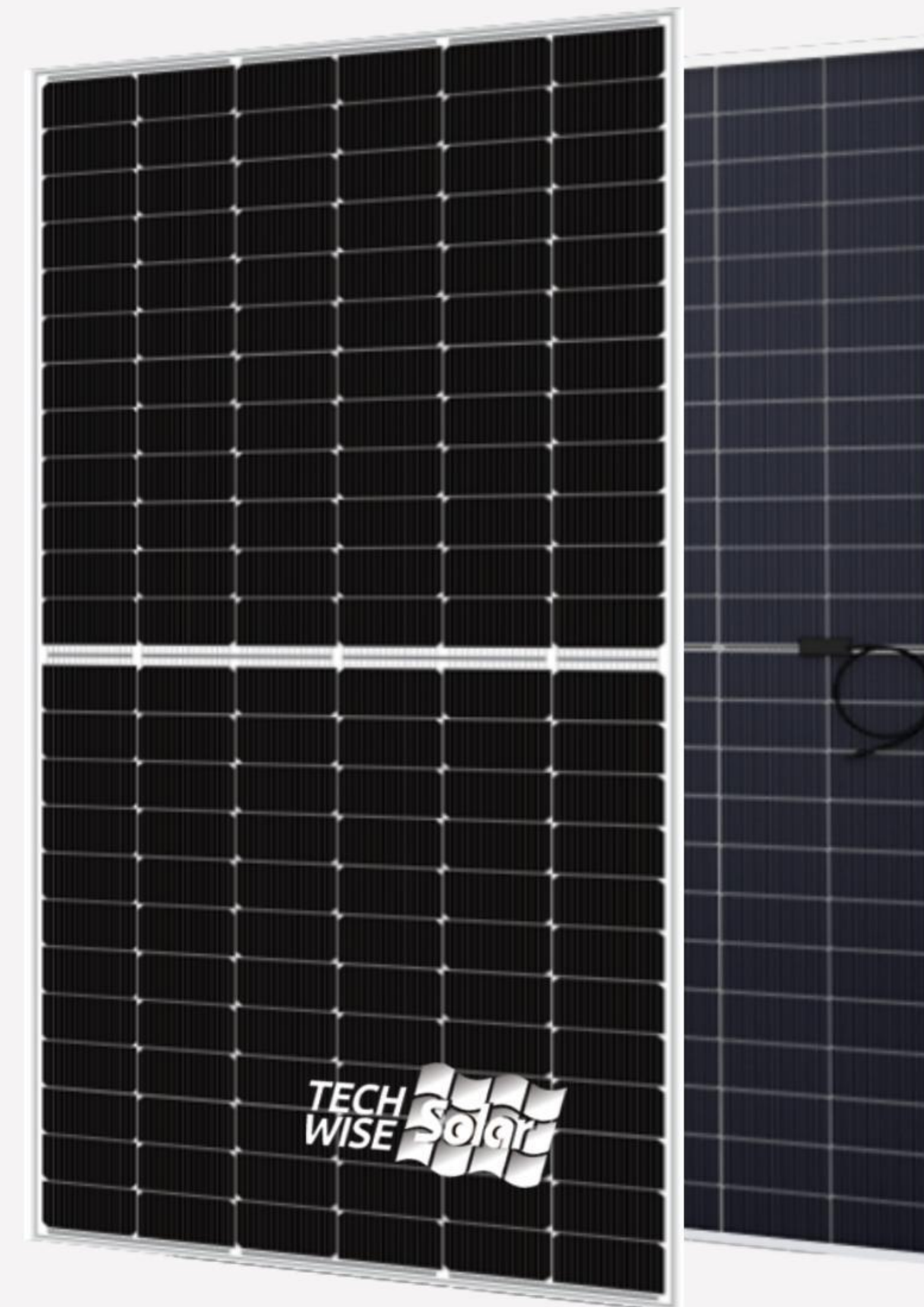
Half Cell



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.
- 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.

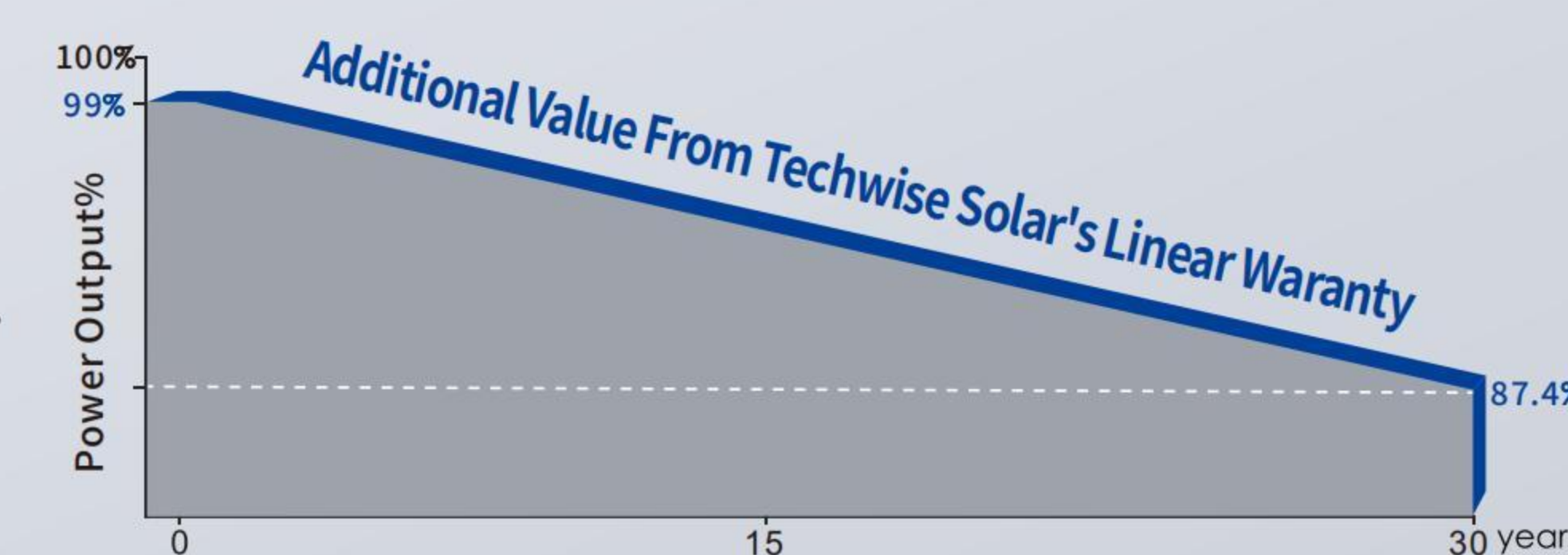
## • Quality Certification



## • Product Qualification



## • Performance Warranty



**15** 15 Years Product Warranty

**30** 30 Years Linear Power Warranty

## TW-635HD-1

### • Product Specification •

Cell Type	Mono crystalline
Cell Quantity	156cell
Cell Size (mm)	182*91
Module Size (mm)	2465*1134*30
Module Weight (kg)	34
Glass Thickness (mm)	2.0
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%

### • Electrical Characteristics •

#### STC standard performance >>>

Power Level	615	620	625	630	635
Pmax(W)	615	620	625	630	635
Vmp(V)	47.21	47.38	47.55	47.71	47.87
Imp(A)	13.02	13.08	13.14	13.22	13.26
Voc(V)	56.68	56.81	56.94	57.09	57.22
Isc(A)	13.67	13.75	13.81	13.87	13.93
Module Efficiency(%)	22.00	22.18	22.36	22.54	22.72

#### NOCT standard performance >>>

Power Level	615	620	625	630	635
Pmax(W)	463	467	471	475	479
Vmp(V)	44.38	44.55	44.70	44.84	44.99
Imp(A)	10.45	10.48	10.53	10.60	10.65
Voc(V)	53.86	53.98	54.11	54.23	54.35
Isc(A)	11.03	11.08	11.15	11.20	11.25

### • Bifacial Output-backside Power Gain •

5% Pmax(W)	646	651	656	662	609
5% Module Efficiency	23.10	23.29	23.48	23.66	23.85
15% Pmax(W)	707	713	719	725	730
15% Module Efficiency	25.30	25.51	25.71	25.92	26.12
25% Pmax(W)	769	775	781	788	794
25% Module Efficiency	27.50	27.73	27.95	28.17	28.40

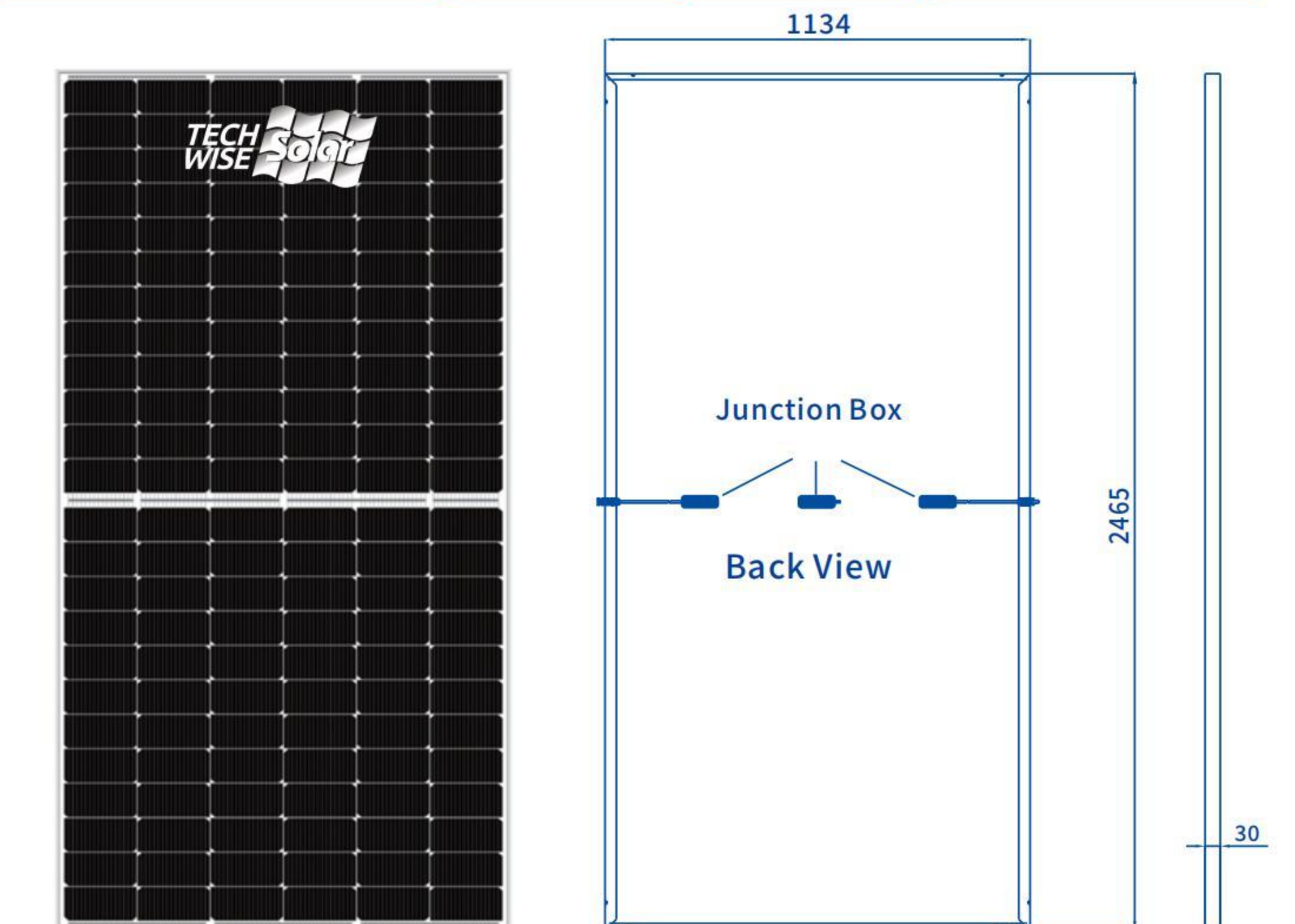
### • Temperature Characteristics •

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

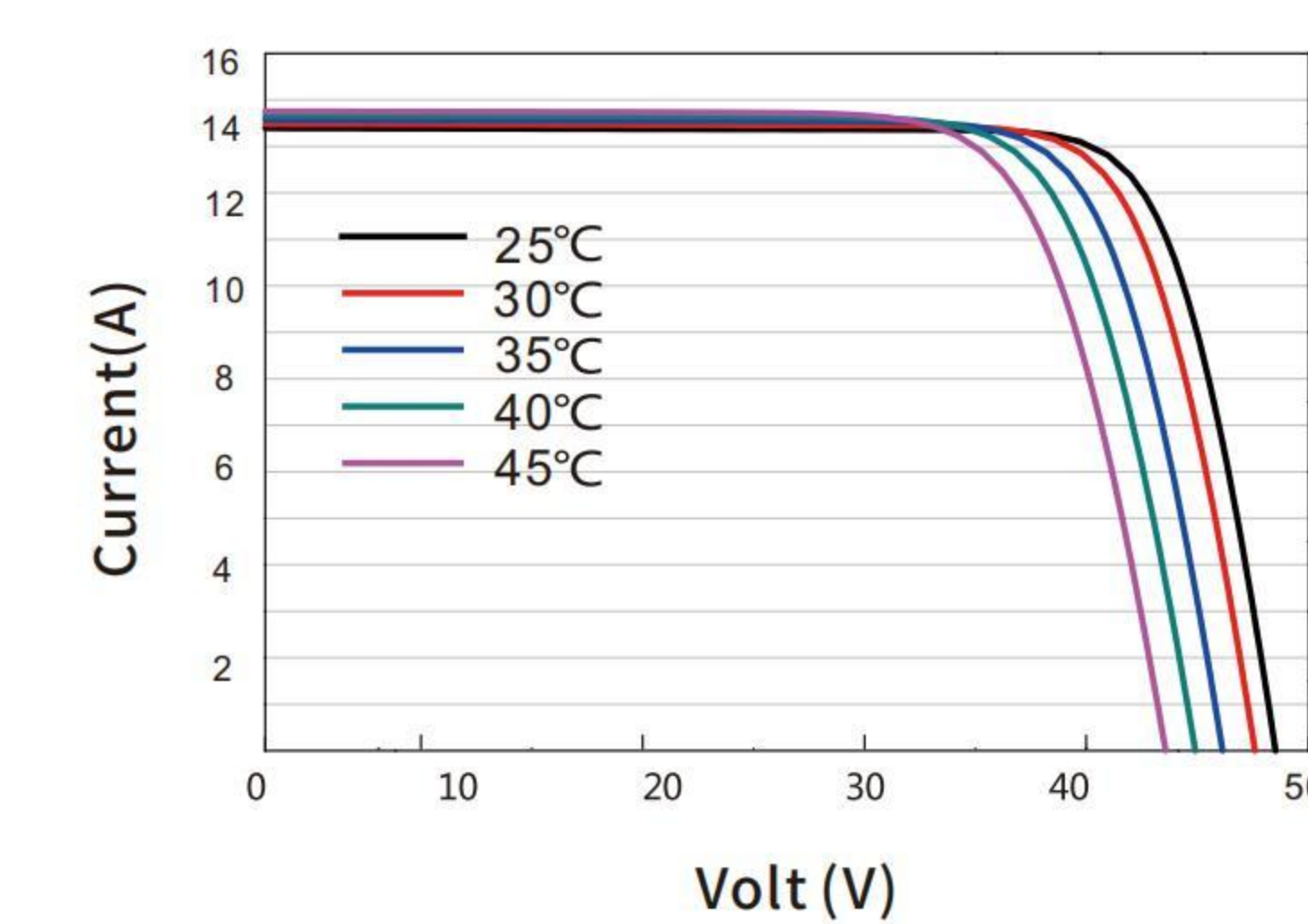
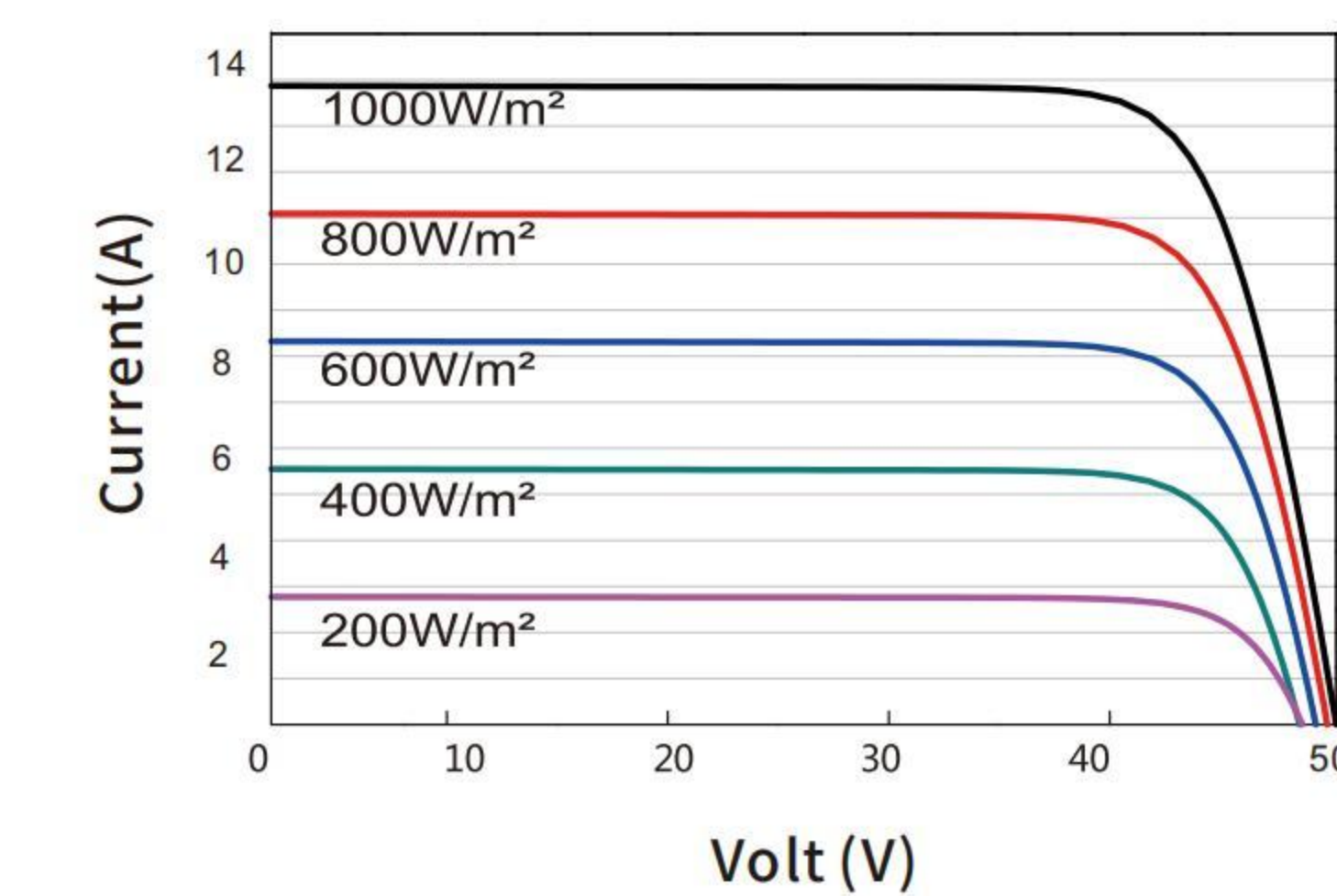


Add: Shangman Industrial Park, Caobu Town  
Rudong County, Nantong City, Jiangsu Province, China  
Tel: 86-513-81900128  
Web: www.techwisesolar.com  
Email: salesdept@techwisesolar.com

### • Engineering Drawings •



### • I-V Curve •



### • Packaging Info •

Pieces per Pallet	36
Size of Packaging (mm)	2525*1125*1270
Weight of per Pallet (kg)	1249
Pieces per Container	576
Size of Container	40'HC

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