

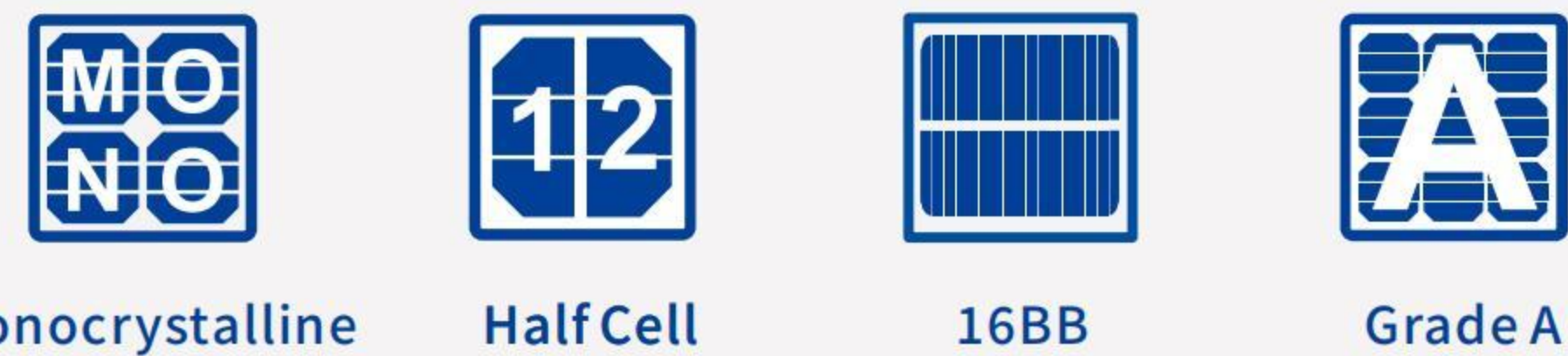
# Sun-Pursuit Plus Series

TOPCon Bifacial  
120 - cell Module

TW-575HD-1

**550-575W**

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.
- 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.

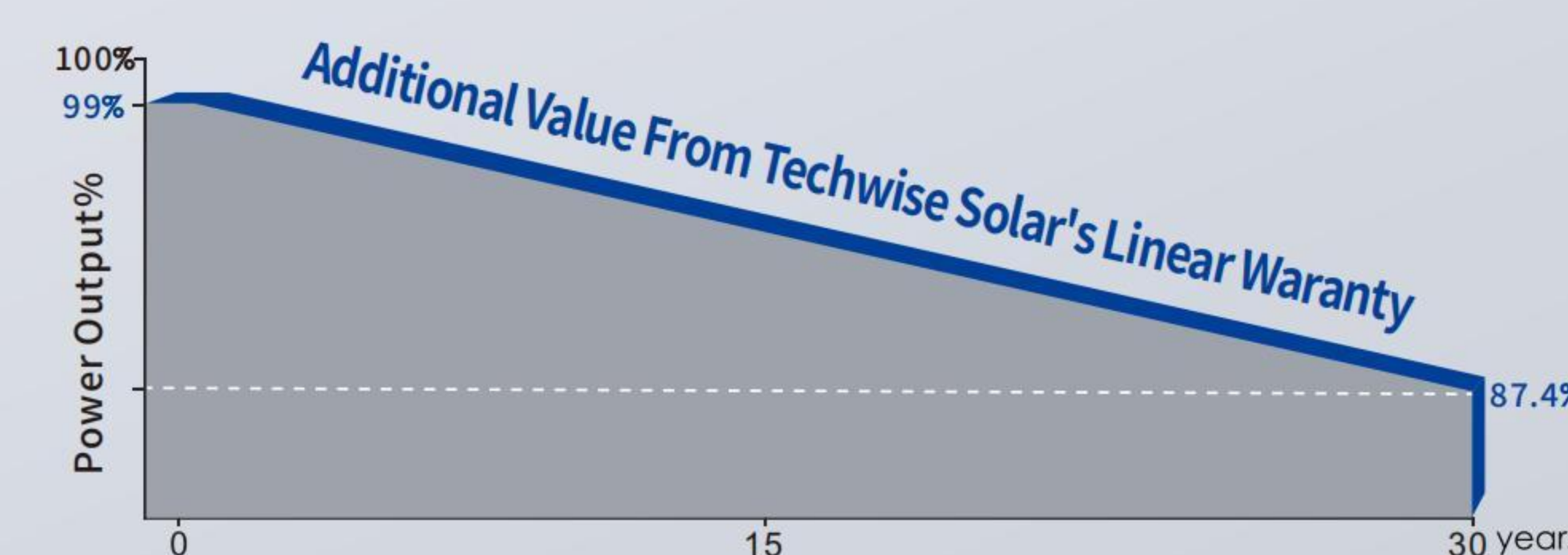
## • Quality Certification



## • Product Qualification



## • Performance Warranty



**15** 15 Years Product Warranty

**30** 30 Years Linear Power Warranty

## TW-575HD-1

### • Product Specification •

Cell Type	Mono crystalline
Cell Quantity	120 cell
Cell Size (mm)	182*105
Module Size (mm)	2184*1134*30
Module Weight (kg)	30.7
Glass Thickness (mm)	2.0
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm <sup>2</sup> , MC4 compatible
Cable Length	+300mm/-300mm; or Customize
Max System Volt (V)	1500V DC
Max Fuse Rate (A)	30
Power Tolerance (%)	0-+3%

### • Electrical Characteristics •

#### STC standard performance >>>

Power Level	550	555	560	565	570	575
Pmax(W)	550	555	560	565	570	575
Vmp(V)	34.81	35.01	35.21	35.41	35.61	35.81
Imp(A)	15.81	15.86	15.91	15.96	16.01	16.06
Voc(V)	42.10	42.30	42.50	42.70	42.90	43.10
Isc(A)	16.82	16.84	16.86	16.88	16.90	16.92
Module Efficiency (%)	22.21	22.41	22.61	22.81	23.01	23.22

#### NOCT standard performance >>>

Power Level	550	555	560	565	570	575
Pmax(W)	414	418	422	426	429	433
Vmp(V)	32.66	32.86	33.06	33.26	33.46	33.66
Imp(A)	12.69	12.73	12.77	12.80	12.84	12.87
Voc(V)	39.95	40.15	40.35	40.55	40.75	40.95
Isc(A)	13.44	13.46	13.48	13.50	13.52	13.54

### • Bifacial Output-backside Power Gain •

5% Pmax(W)	578	583	588	593	599	604
5% Module Efficiency	23.32	23.53	23.74	23.95	24.17	24.38
15% Pmax(W)	633	638	644	650	656	661
15% Module Efficiency	25.54	25.77	26.00	26.23	26.47	26.70
25% Pmax(W)	688	694	700	706	713	719
25% Module Efficiency	27.76	28.01	28.26	28.52	28.77	29.02

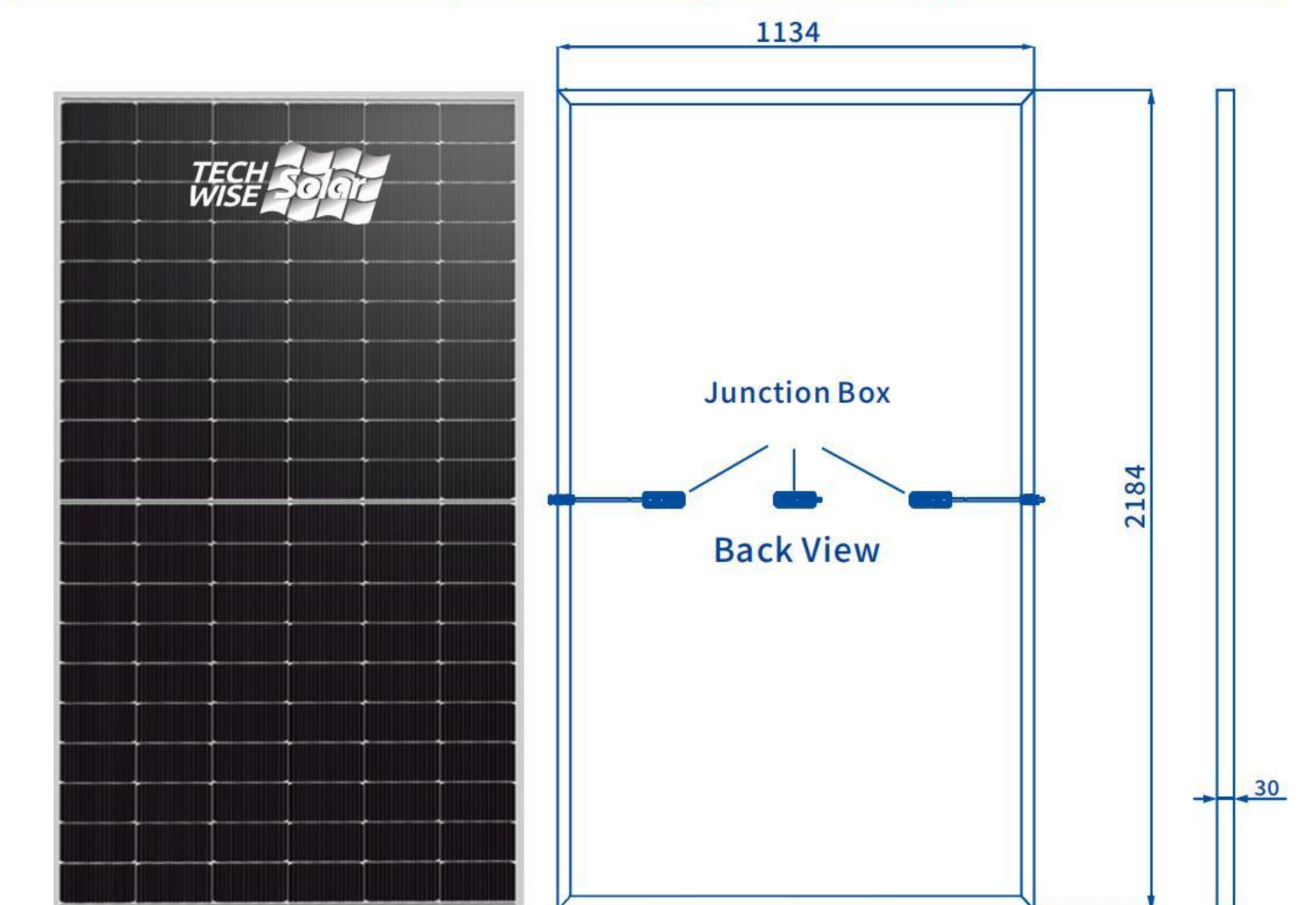
### • Temperature Characteristics •

Operating Temp (°C)	-40~85
Operating Humidity (%)	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

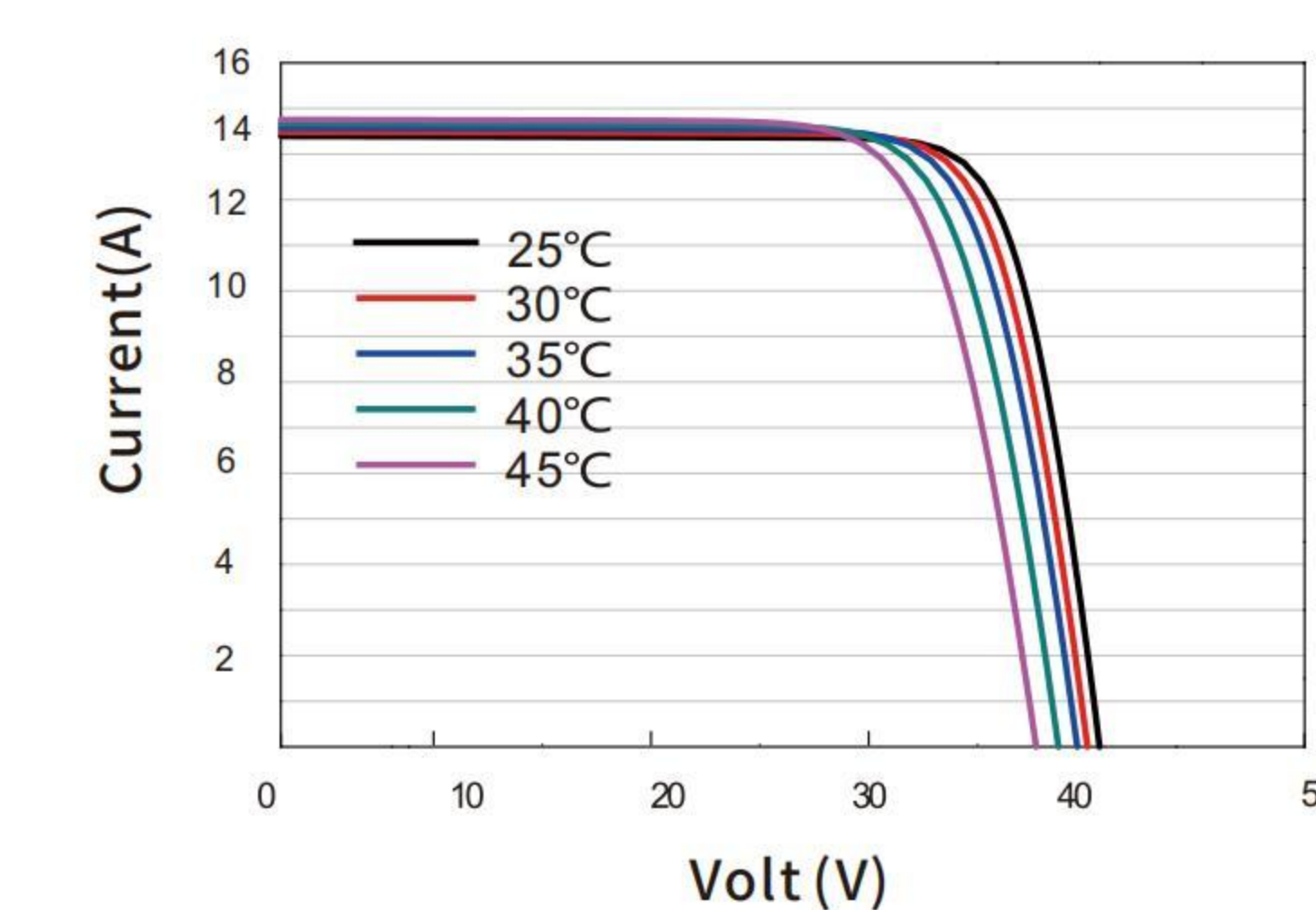
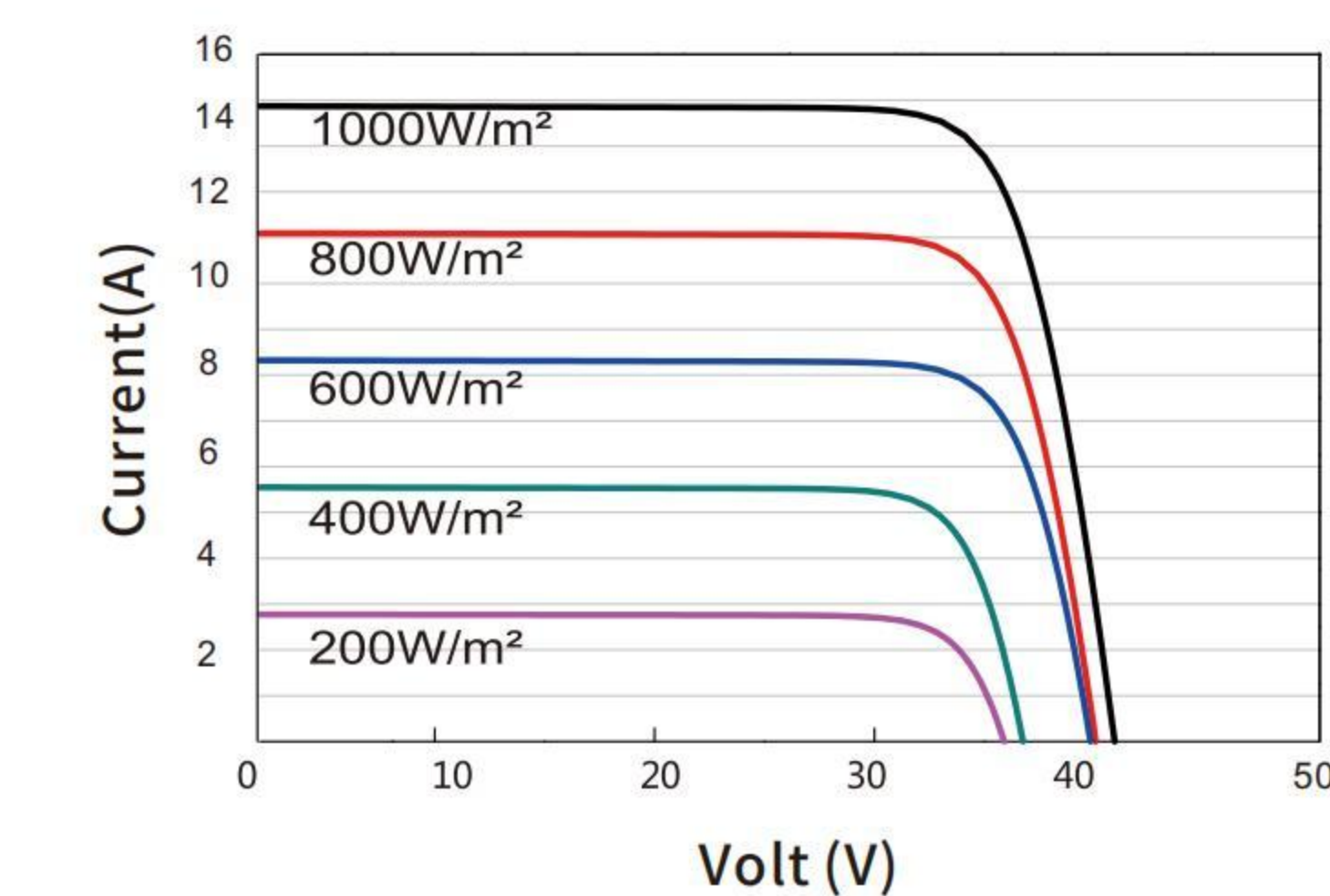


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### • Engineering Drawings •



### • I-V Curve •



### • Packaging Info •

Pieces per Pallet	36
Size of Packaging (mm)	2184*1134*30
Weight of per Pallet (kg)	1130
Pieces per Container	720
Size of Container	40'HC

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