

Sun-Pursuit Pro Series

TOPCon
132 - cell Module

TW-630HP-1

605-630W

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.

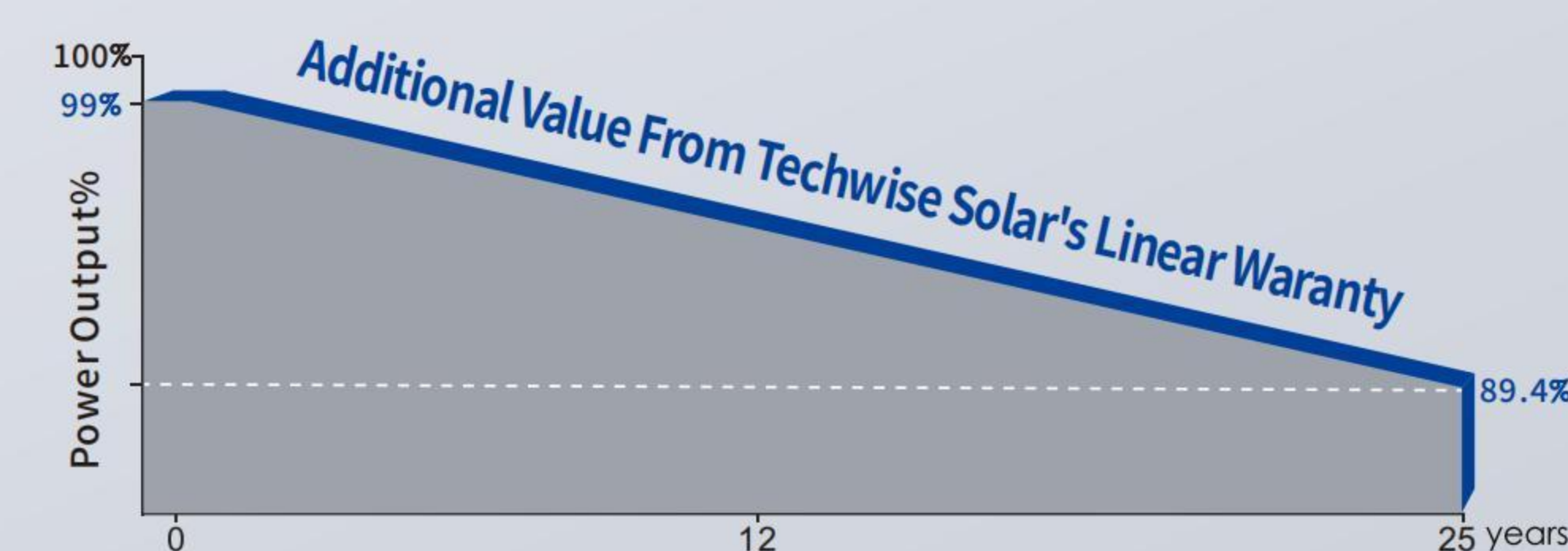
• Quality Certification



• Product Qualification



• Performance Warranty



12 12 Years Product Warranty

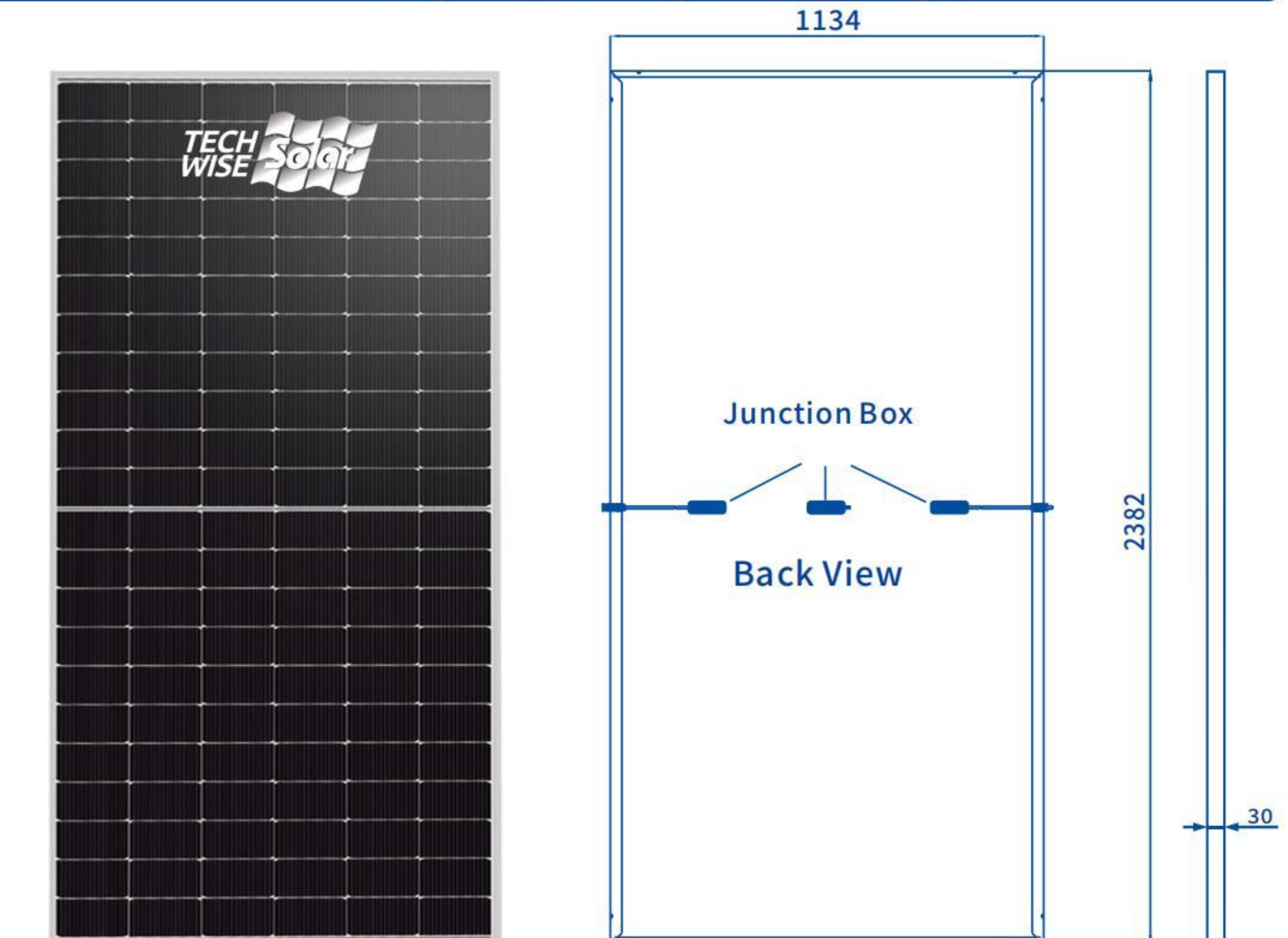
25 25 Years Linear Power Warranty

TW-630HP-1

• Product Specification •

Cell Type	Mono crystalline
Cell Quantity	132 cell
Cell Size(mm)	182*105
Module Size (mm)	2382*1134*30
Module Weight (kg)	28.2
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)	30
Power Tolerance(%)	0-+3%

• Engineering Drawings •



• Electrical Characteristics •

STC standard performance >>>

Power Level	605	610	615	620	625	630
Pmax(W)	605	610	615	620	625	630
Vmp(V)	40.38	40.55	40.72	40.89	41.06	41.22
Imp(A)	14.99	15.05	15.11	15.17	15.23	15.29
Voc(V)	48.46	48.62	48.78	48.94	49.10	49.26
Isc(A)	15.95	16.02	16.09	16.16	16.23	16.30
Module Efficiency(%)	22.40	22.58	22.77	22.95	23.14	23.32

NOCT standard performance >>>

Power Level	605	610	615	620	625	630
Pmax(W)	457	461	464	468	472	476
Vmp(V)	37.70	37.84	38.00	38.11	38.24	38.36
Imp(A)	12.13	12.18	12.23	12.30	12.35	12.41
Voc(V)	46.05	46.20	46.35	46.51	46.66	46.81
Isc(A)	12.86	12.91	12.97	13.03	13.08	13.14

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

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

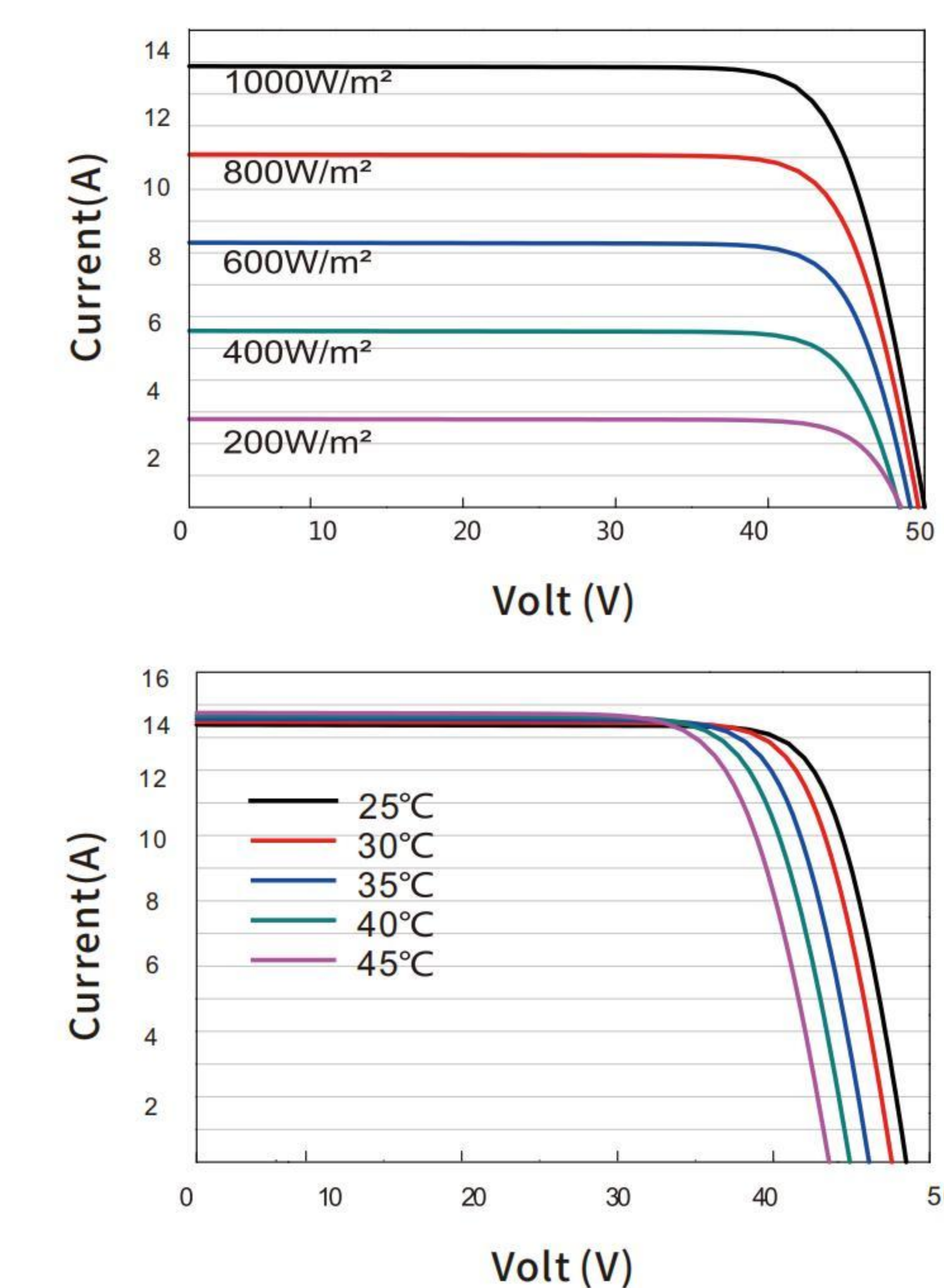
• Temperature Characteristics •

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	36
Size of Packaging(mm)	2396*1125*1270
Weight of per Pallet(kg)	1040
Pieces per Container	720
Size of Container	40'HC

All data and specifications included in this brochure may subject to be modified without notice.
All Rights reserved by TechWise Solar Co.
(Mar 2024 V3 Edition)