

Summit Series

Monocrystalline
120 - cell Module

TW-610HT

590-610W

0-3%Positive Tolerance



Monocrystalline



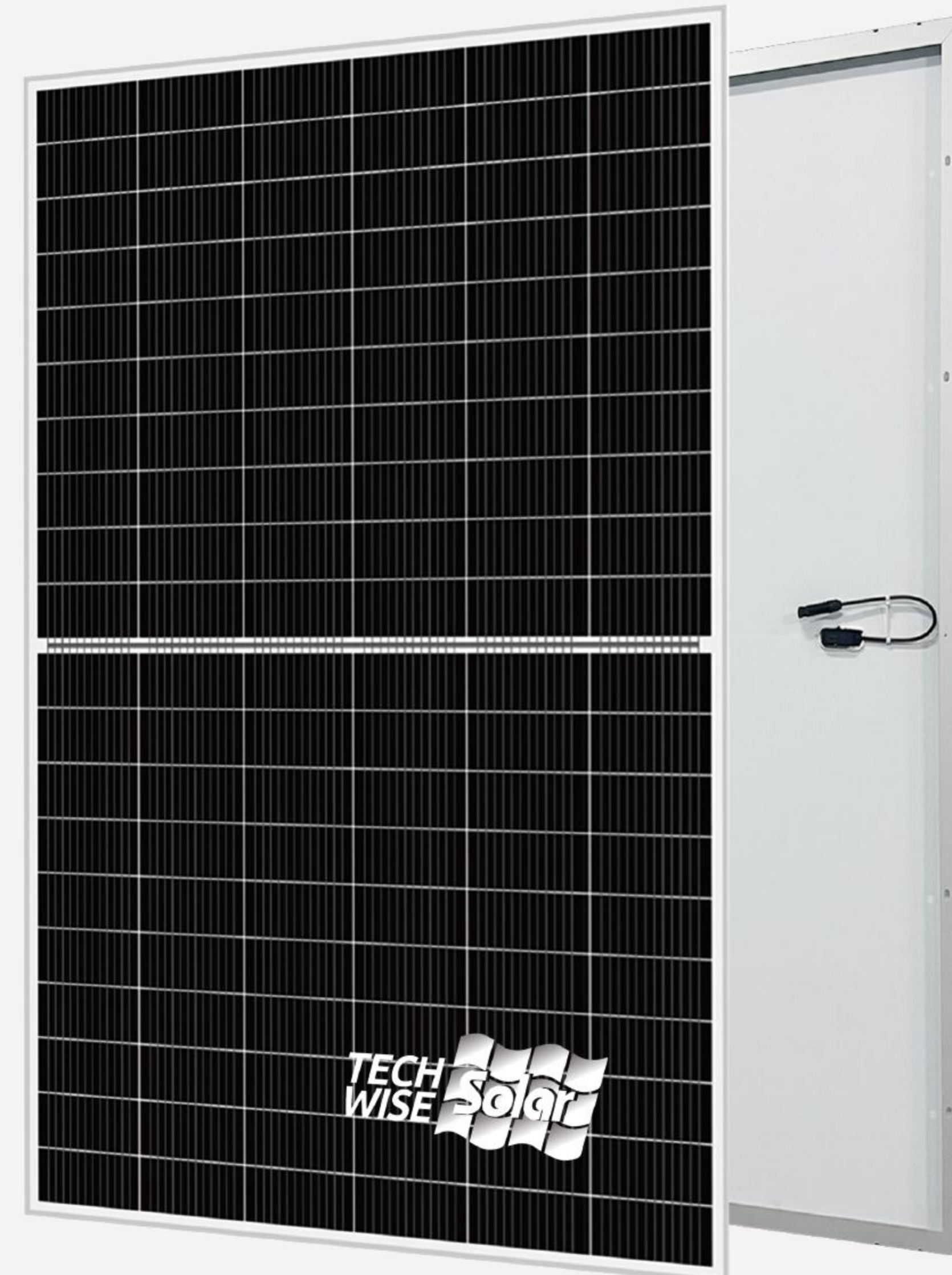
Half Cell



12BB



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 wxtreme 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.

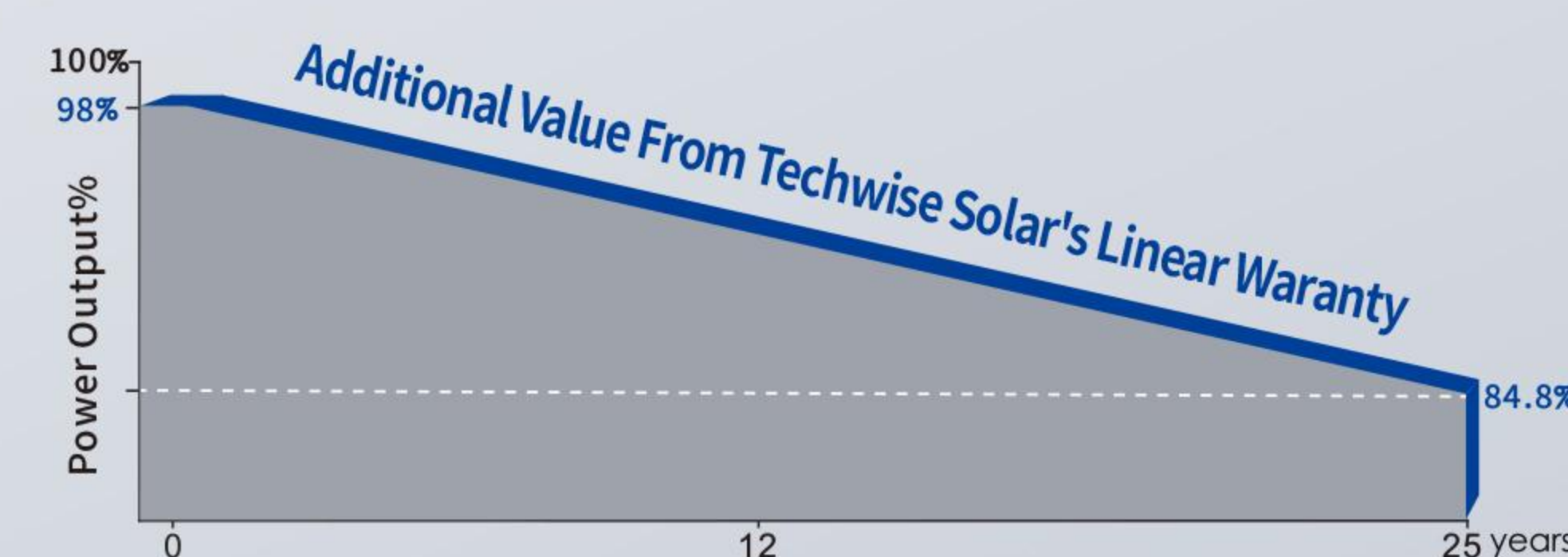
• Quality Certification



• Product Qualification



• Performance Warranty



12 Years Product Warranty



25 Years Linear Power Warranty

TW-610HT

•Product Specification•

Cell Type	Mono crystalline
Cell Quantity	120 cell
Cell Size (mm)	210*105
Module Size (mm)	2172*1303*35
Module Weight (kg)	29.9
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%

•Electrical Characteristics•

STC standard performance >>>

Power Level	590	595	600	605	610
Pmax(W)	590	595	600	605	610
Vmp(V)	34.01	34.20	34.39	34.57	34.76
Imp(A)	17.35	17.40	17.45	17.50	17.55
Voc(V)	41.11	41.30	41.49	41.70	41.89
Isc(A)	18.40	18.45	18.50	18.54	18.59
Module Efficiency(%)	20.85	21.02	21.20	21.38	21.55

NOCT standard performance >>>

Power Level	590	595	600	605	610
Pmax(W)	447	451	454	458	462
Vmp(V)	31.73	31.92	32.02	32.21	32.40
Imp(A)	14.09	14.13	14.18	14.22	14.27
Voc(V)	38.73	38.92	39.12	39.31	39.52
Isc(A)	14.85	14.88	14.92	14.96	14.99

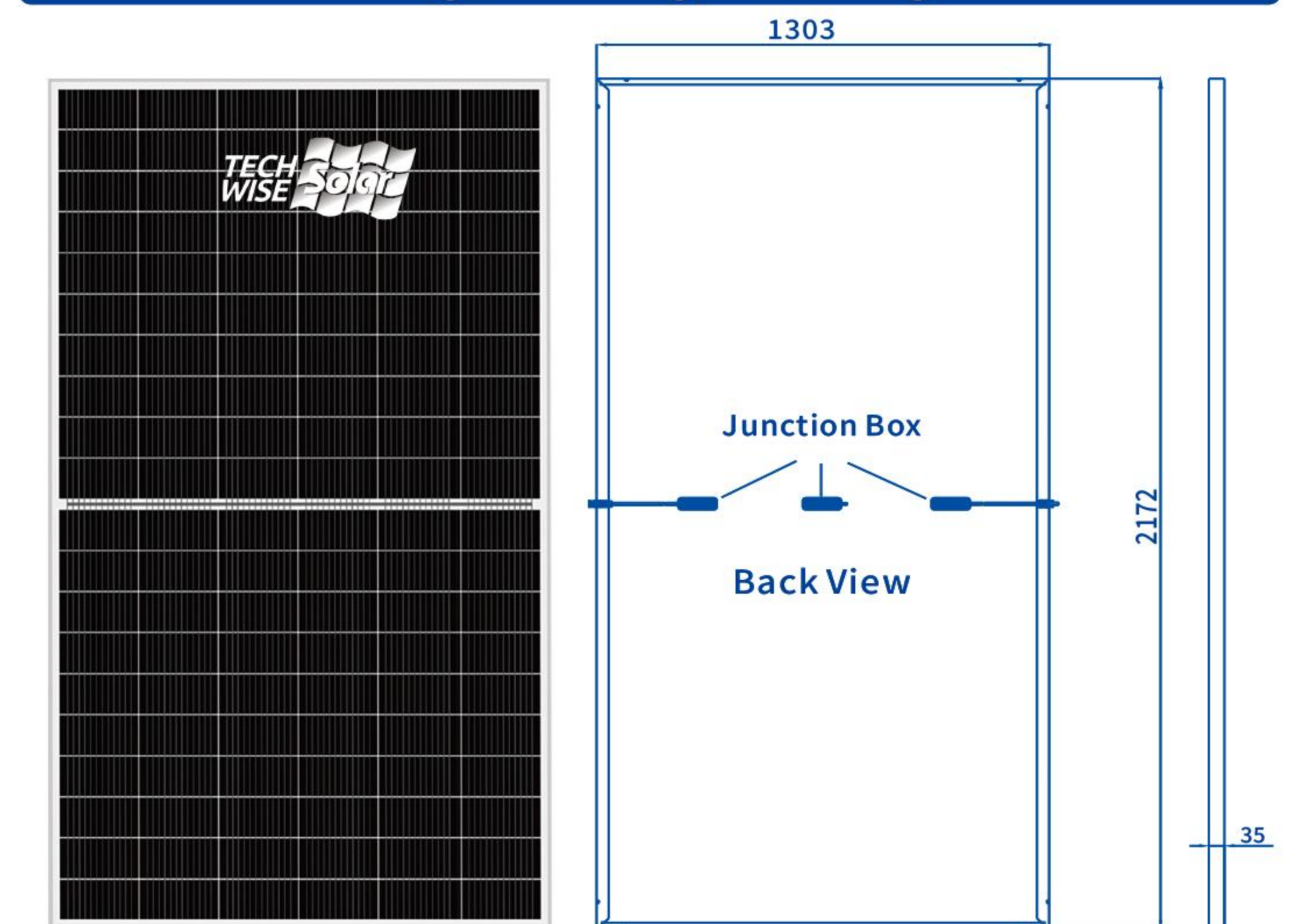
STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5

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

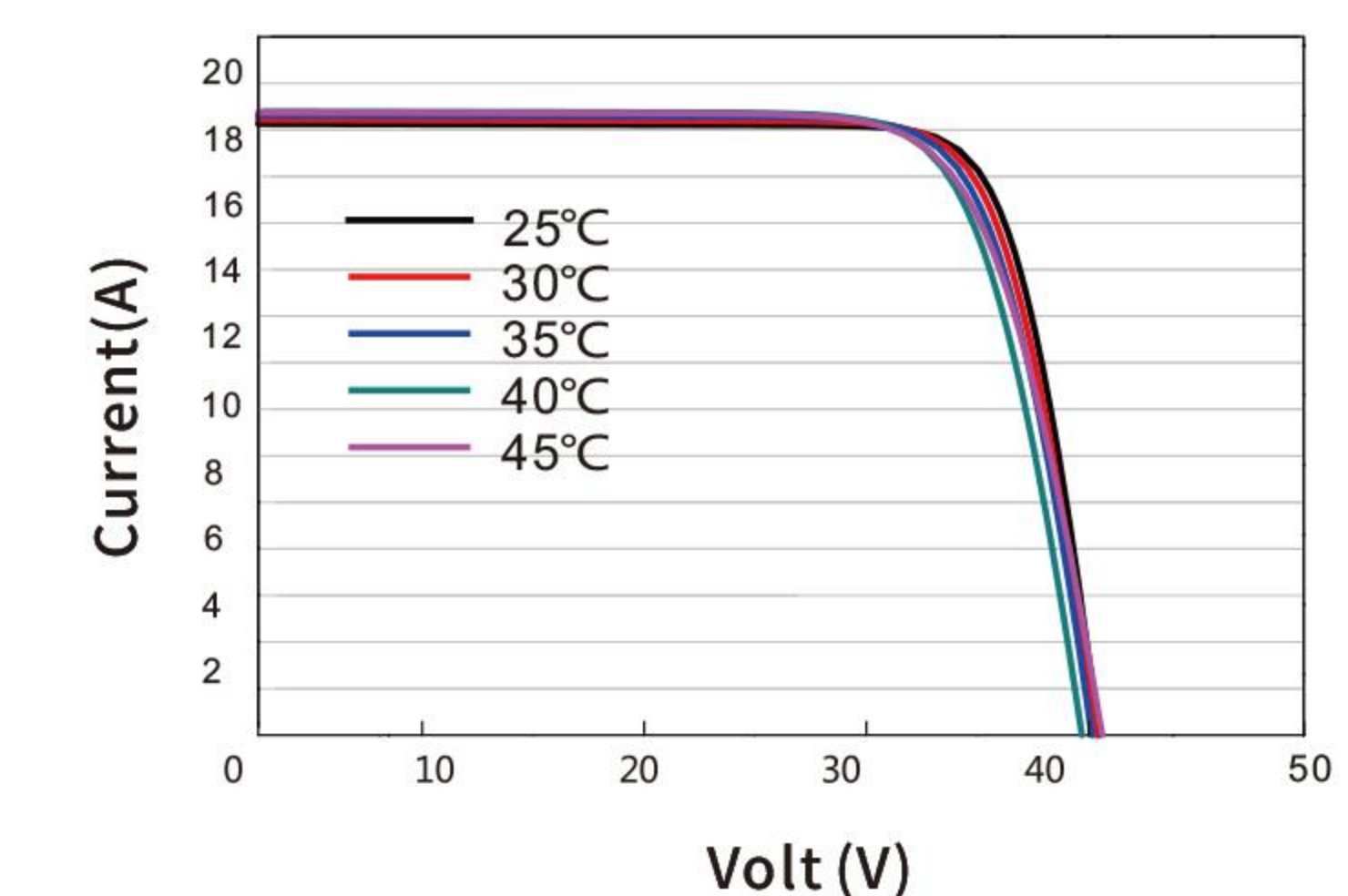
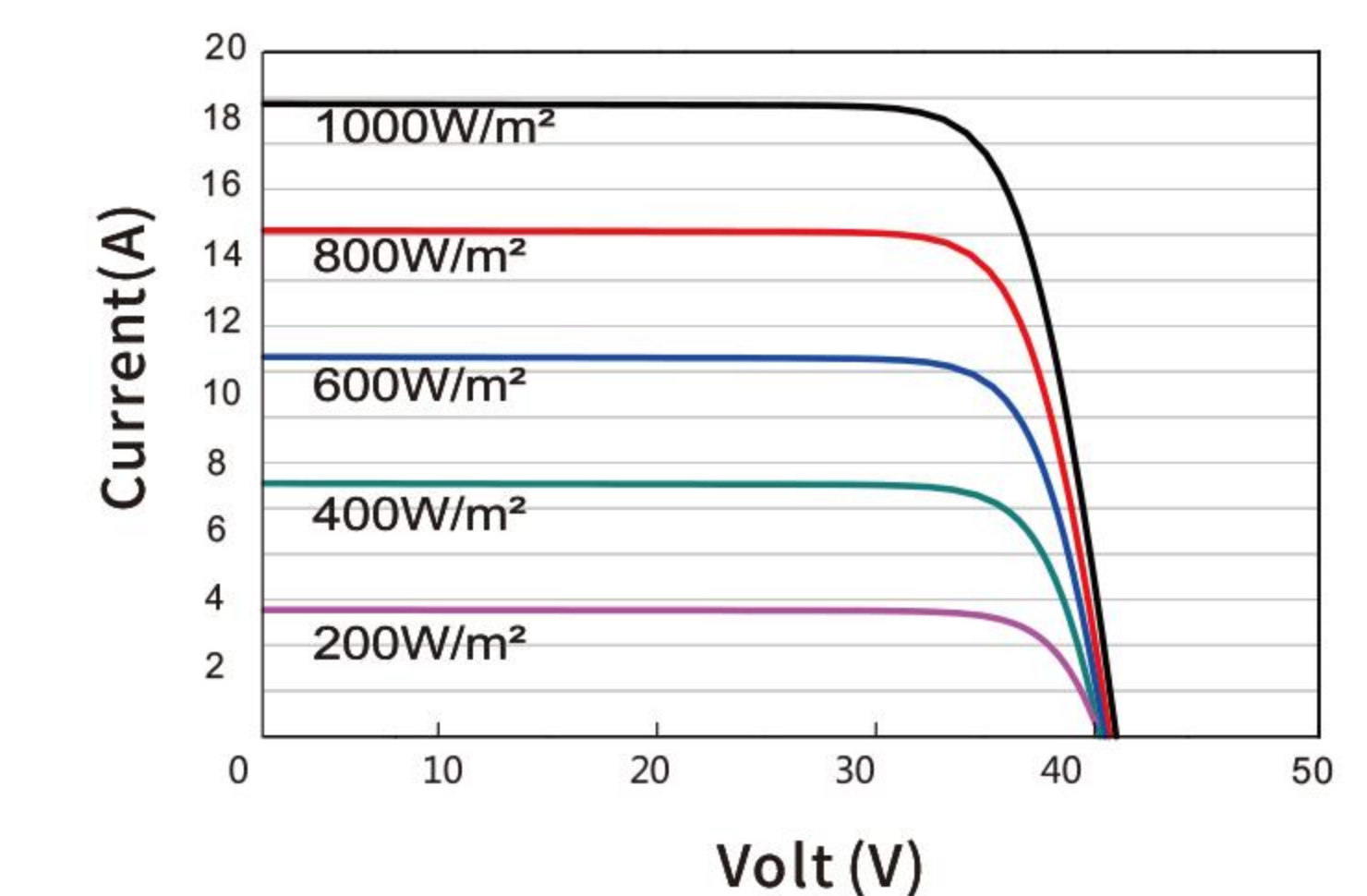
•Temperature Characteristics•

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

•Engineering Drawings•



•I-V Curve•



•Packaging Info•

Pieces per Pallet	31
Size of Packaging (mm)	1325*1120*2300
Weight of per Pallet (kg)	952
Pieces per Container	558
Size of Container	40'HC



Add: Shangman Industrial Park, Caobu Town
Rudong County, Nantong City, Jiangsu Province, China
Tel: 86-513-69976081/81900128
Web: www.techwisesolar.com
Email: salesdept@techwisesolar.com

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)