

Sun-Pursuit Series

Monocrystalline
120 - cell Module

TW-460HT

445-460W

0-3% Positive Tolerance



• 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.

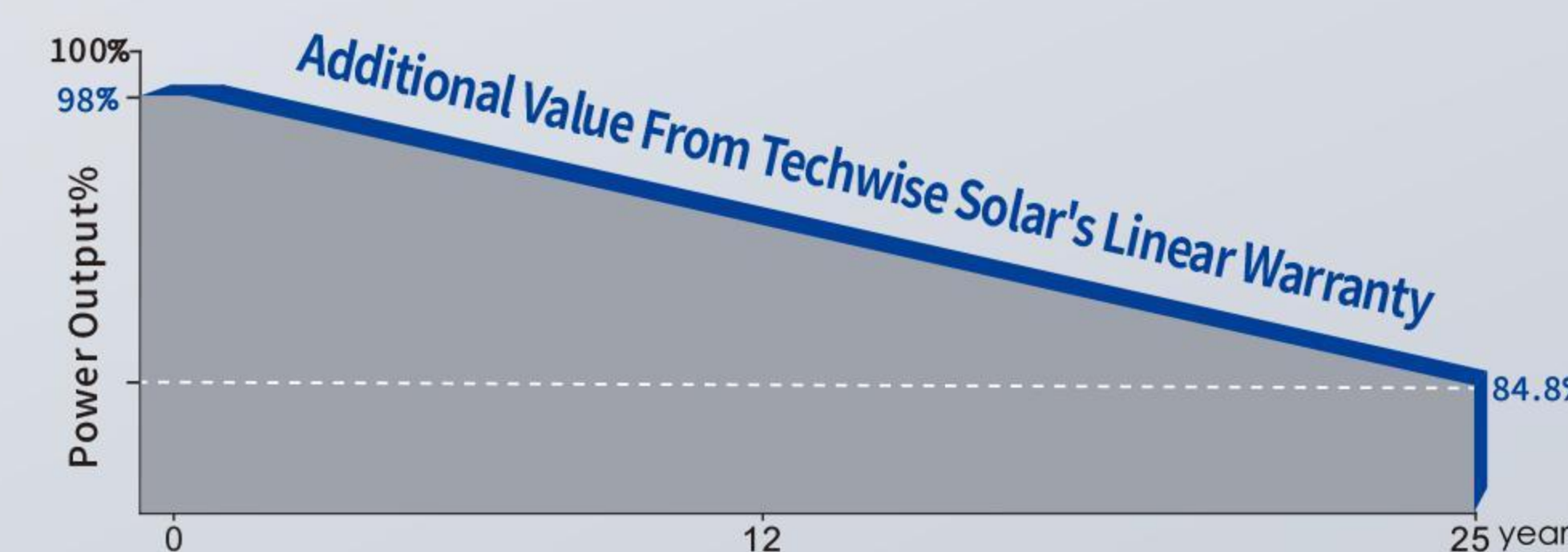
• Quality Certification



• Product Qualification



• Performance Warranty



12 12 Years Product Warranty

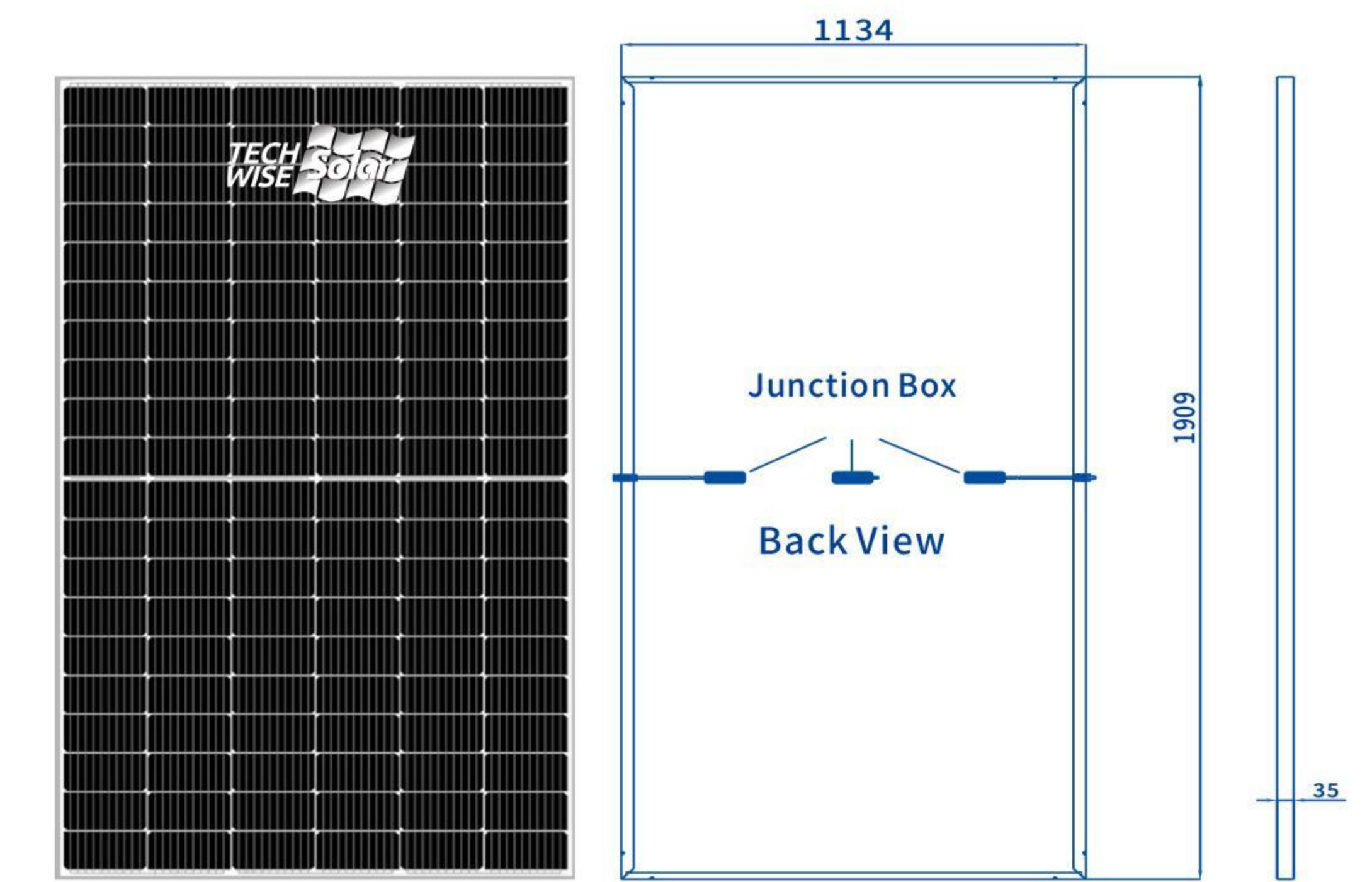
25 25 Years Linear Power Warranty

TW-460HT

• Module Specification •

Cell Type	Mono crystalline
Cell Quantity	120 cell
Cell Size (mm)	182*91
Module Size (mm)	1909*1134*35
Module Weight (kg)	22.5
Glass Thickness (mm)	3-2
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm ² , MC4 compatible
Cable Length	+300mm/-300mm; or Customize
Max System Volt (V)	1500V DC
Max Fuse Rate (A)	25
Power Tolerance	0-+3%

• Engineering Drawings •



• Electrical Characteristics •

STC standard performance >>>

Power Level	445	450	455	460
Pmax(W)	445	450	455	460
Vmp(V)	34.75	34.90	35.05	35.20
Imp(A)	12.81	12.90	12.99	13.07
Voc(V)	41.20	41.35	41.50	41.75
Isc(A)	13.75	13.83	13.90	13.97
Module Efficiency (%)	20.56	20.79	21.02	21.25

NOCT standard performance >>>

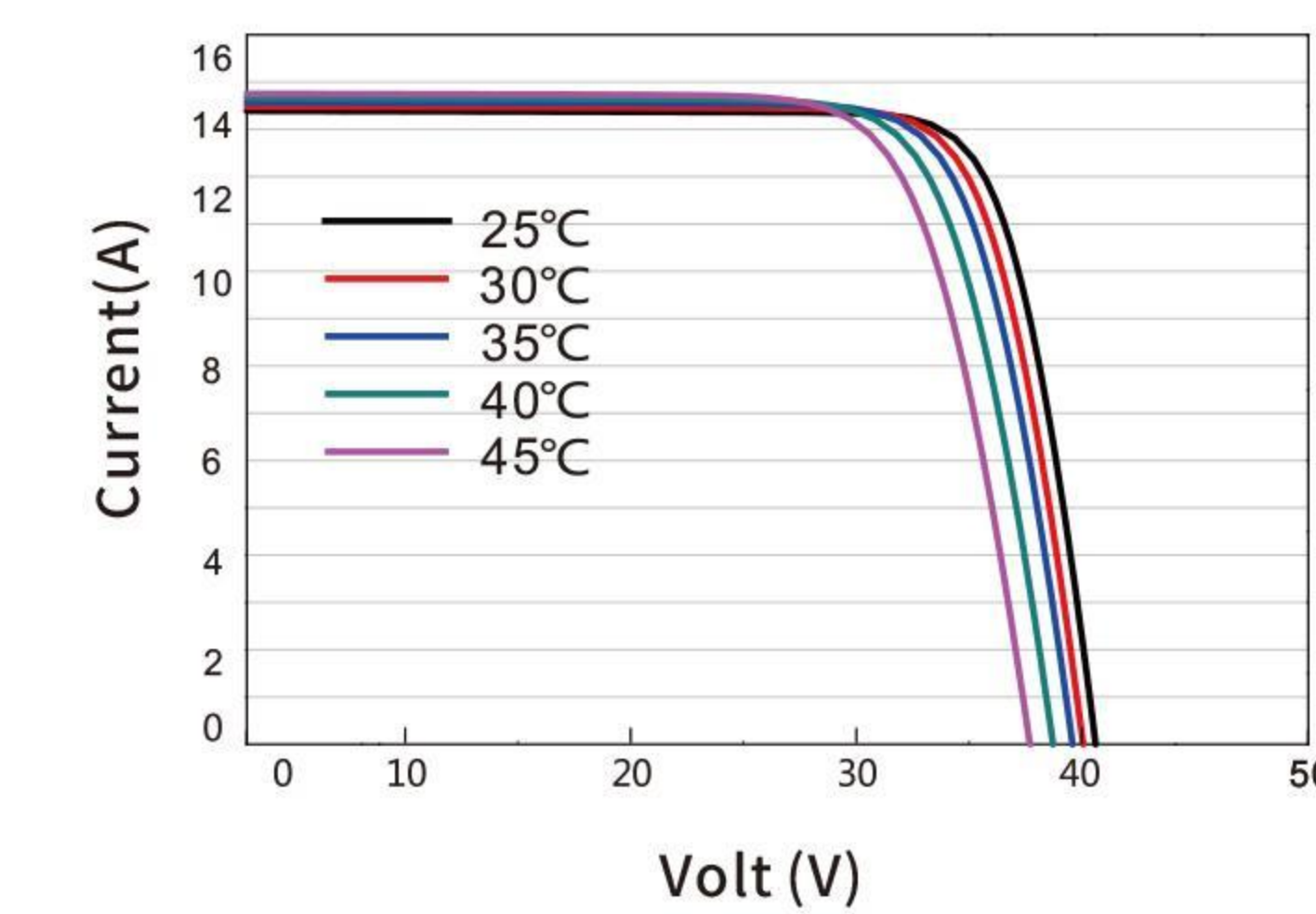
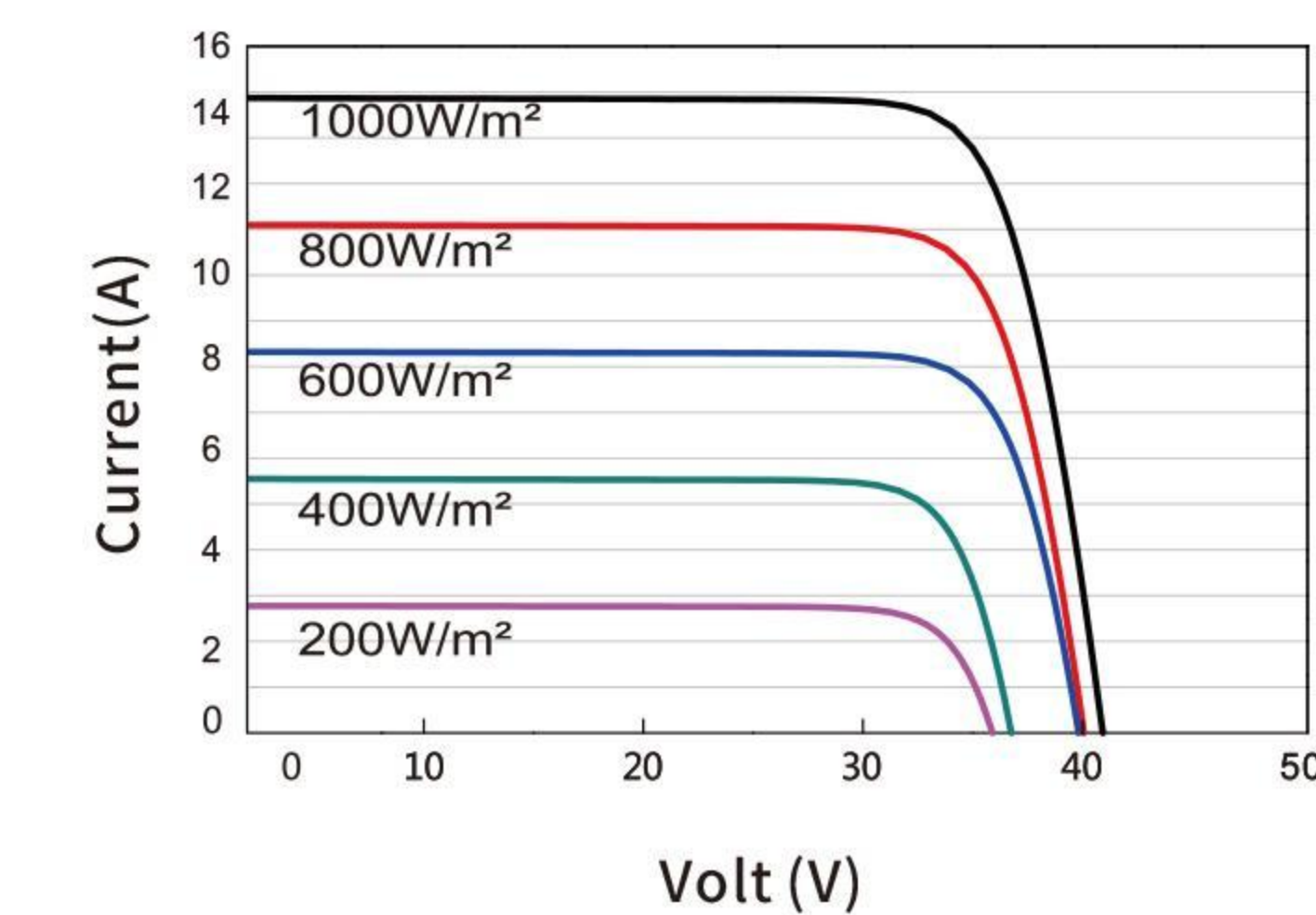
Power Level	445	450	455	460
Pmax(W)	338	341	344	348
Vmp(V)	32.66	32.87	33.08	33.29
Imp(A)	10.35	10.37	10.40	10.45
Voc(V)	38.98	39.20	39.41	39.62
Isc(A)	10.95	11.00	11.05	11.10

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 (%)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient (1/°C)	-0.35
Temp Coefficient Isc (1/°C)	0.05
Temp Coefficient Voc (1/°C)	-0.275
Operating Temp (°C)	44±2

• I-V Curve •



• Packaging Info •

Pieces per Pallet	31
Size of Packaging (mm)	1925*1125*1270
Weight of per Pallet (kg)	723
Pieces per Container	744
Size of Container	40'HC



Add: No. 168, Group 8, Shangmanju, 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.
(Sep 2025 V4 Edition)