

# Sun-Pursuit Series

Monocrystalline  
108 - cell Module

TW-410HTB-1 FULL BLACK

**400-410W**

0-3% Positive Tolerance



Monocrystalline



Half Cell



10BB



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 extreme 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.

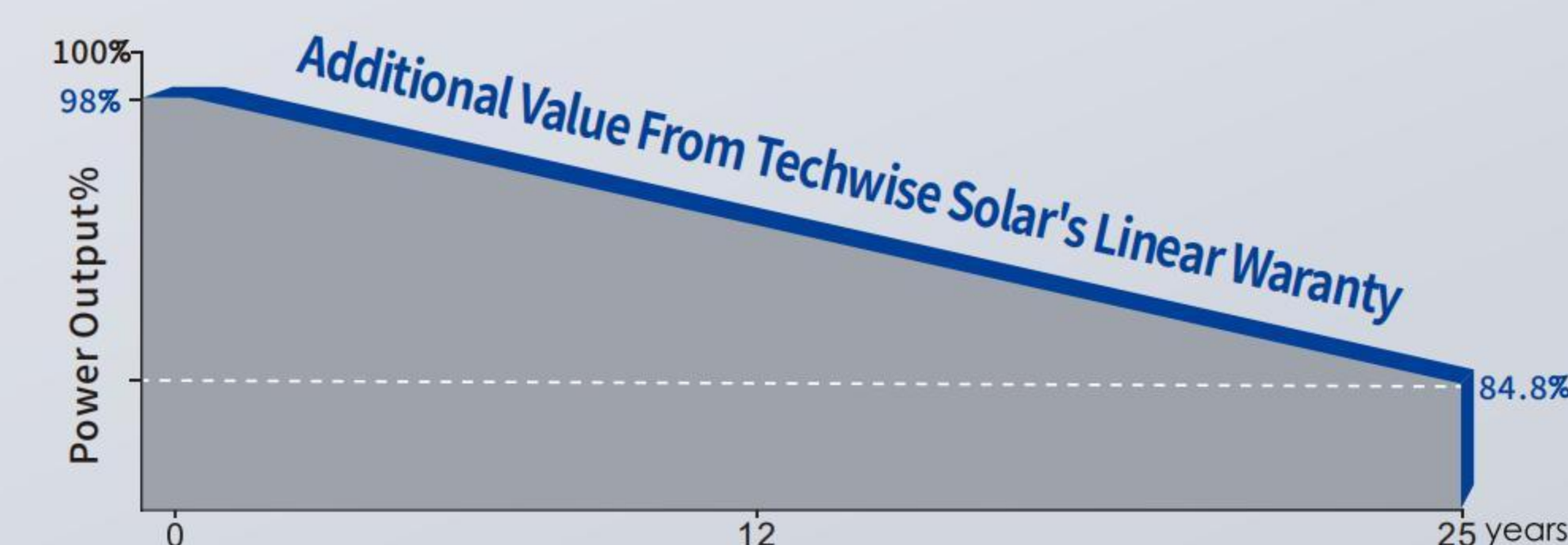
## • Quality Certification



## • Product Qualification



## • Performance Warranty



**12** 12 Years Product Warranty

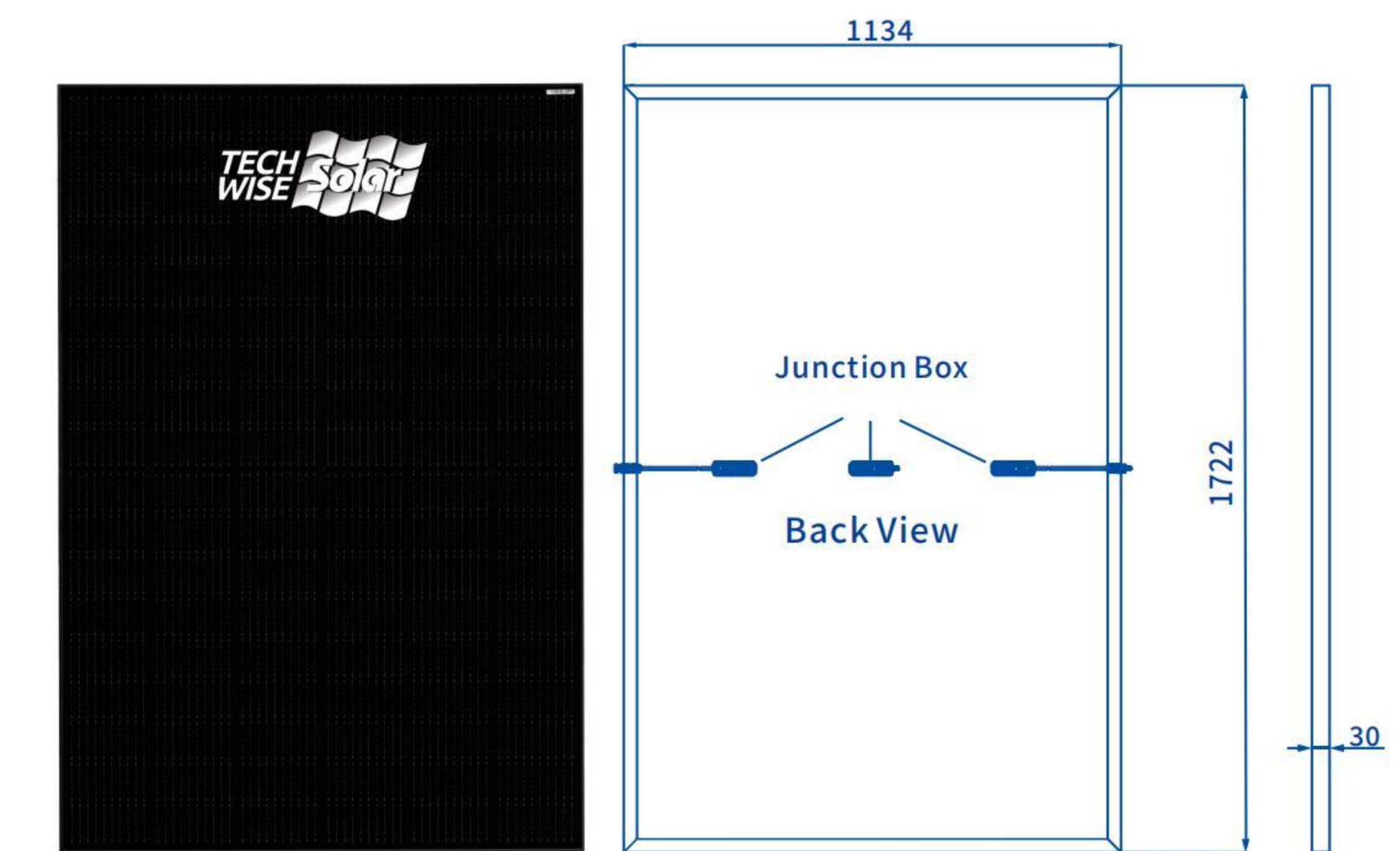
**25** 25 Years Linear Power Warranty

## TW-410HTB-1

### • Module Specification •

Cell Type	Mono crystalline
Cell Quantity	108 cell
Cell Size(mm)	182*91
Module Size(mm)	1722*1134*30
Module Weight(kg)	20.8
Glass Thickness(mm)	3.2
Frame Material	Anodized aluminum alloy(Black)
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)	25
Power Tolerance	0~+3%

### • Engineering Drawings •



### • Electrical Characteristics •

#### STC standard performance >>>

Power Level	400	405	410
Pmax(W)	400	405	410
Vmp(V)	31.20	31.40	31.60
Imp(A)	12.83	12.90	12.98
Voc(V)	37.10	37.30	37.50
Isc(A)	13.73	13.81	13.88
Module Efficiency(%)	20.48	20.74	21.00

#### NOCT standard performance >>>

Power Level	400	405	410
Pmax(W)	303	307	310
Vmp(V)	28.96	29.21	29.38
Imp(A)	10.46	10.51	10.55
Voc(V)	34.58	34.81	35.03
Isc(A)	11.08	11.13	11.18

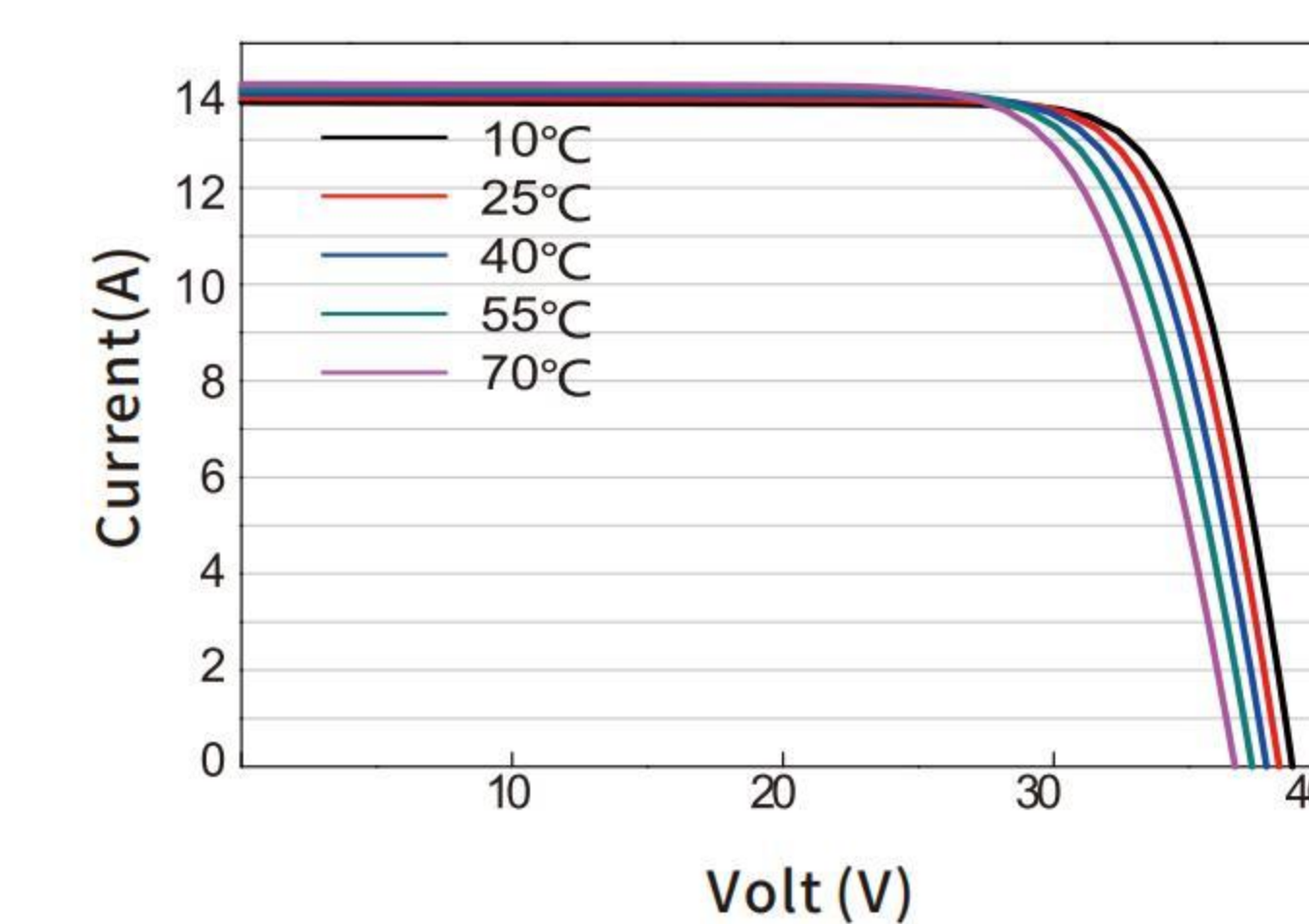
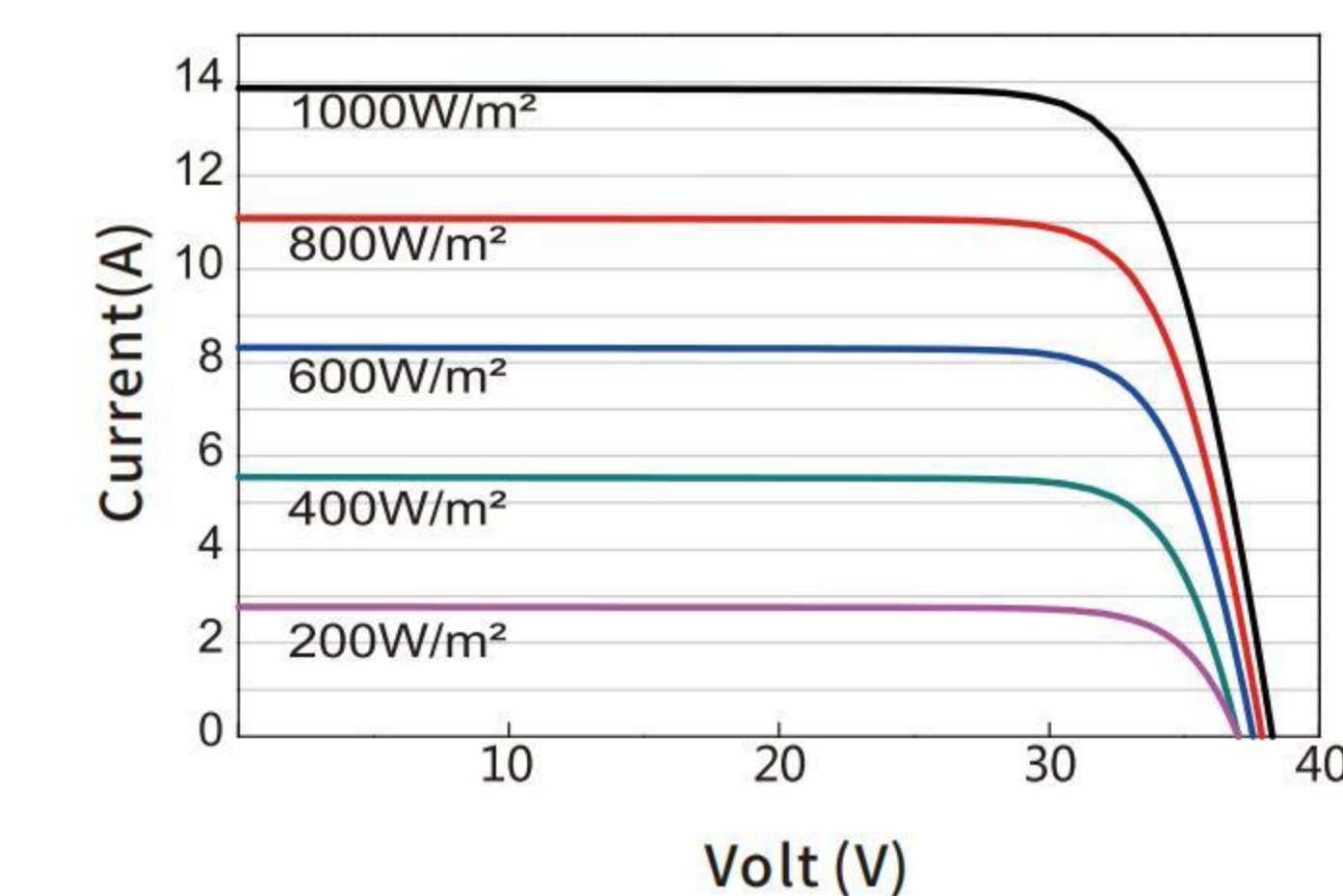
STC: Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, 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	-0.35
Temp Coefficient Isc (%°C)	0.05
Temp Coefficient Voc (%°C)	-0.275
Operating Temp (°C)	44±2

### • I-V Curve •



### • Packaging Info •

Pieces per Pallet	36
Size of Packaging(mm)	1750*1125*1270
Weight of per Pallet(kg)	744
Pieces per Container	936
Size of Container	40'HC



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