

**SKT305~325M6-20/TB**

Transparent Backsheet  
60Cells Monocrystalline PV Module PLUS



# 305~325 Watt



\*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

## MANAGEMENT SYSTEM



ISO 9001: Quality management system



ISO 14001: Standard for environmental management system

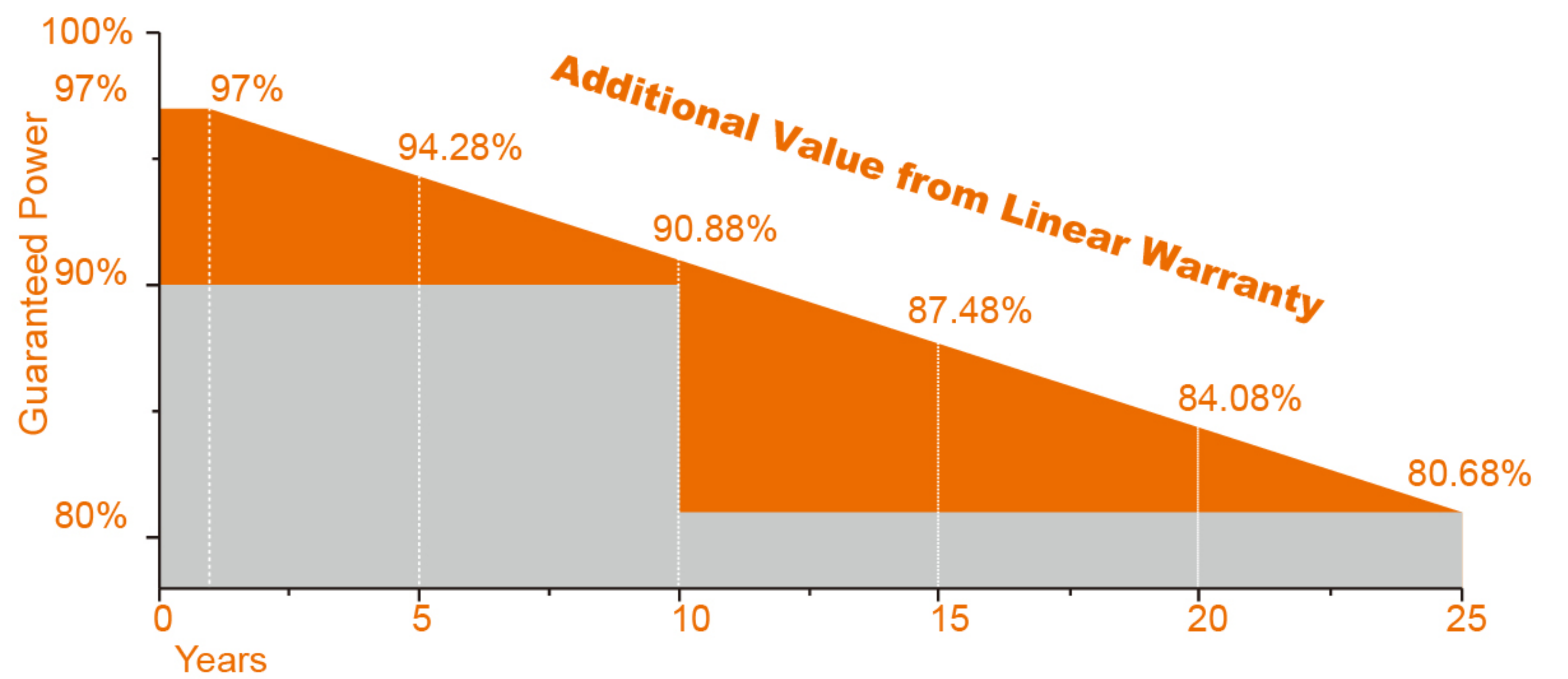


OHSAS 18001: International standard for occupational health and safety assessment system

## PRODUCT CERTIFICATES



## WARRANTY



**12** Years  
Material & Craft  
Quality  
assurance

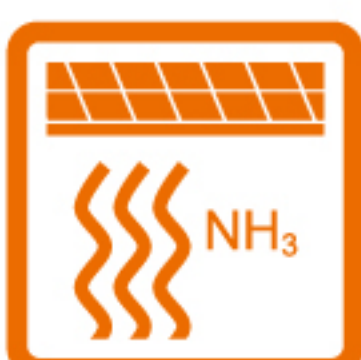
**12** Years  
90% Output  
Power  
guarantee

**25** Years  
80% Output  
Power  
guarantee

### Safety



Safety for salt mist corrosion  
(IEC61701, tested in TUV)



Safety for ammonia corrosion  
(IEC62716, tested in TUV)



Safety for fire risk  
(Class A, tested in TUV)

### Key



High stability of the aluminium  
frame



High quality junction box and  
connector systems



100% inspection, to guarantee  
the reliability of solar systems

### Technology



Using high efficiency mono  
solar cells



Excellent performance in  
low-light environments



High transmissivity, low-iron  
tempered glass.

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### Electrical Characteristics (STC)

Module Type	SKT305M6-20	SKT310M6-20	SKT315M6-20
Maximum Power- Pmax(W)	305	310	315
Open Circuit Voltage - Voc(V)	40.01	40.27	40.53
Short- Circuit Current - Isc(A)	9.87	9.94	10.01
Voltage at Pmax -Vmp(V)	32.68	32.97	33.23
Current at Pmax - Imp(A)	9.34	9.41	9.48
Module Efficiency -ηm (%)	18.1	18.4	18.7

Module Type	SKT320M6-20	SKT325M6-20
Maximum Power- Pmax(W)	320	325
Open Circuit Voltage - Voc(V)	40.79	41.05
Short- Circuit Current - Isc(A)	10.09	10.16
Voltage at Pmax -Vmp(V)	33.49	33.75
Current at Pmax - Imp(A)	9.56	9.63
Module Efficiency -ηm (%)	19.0	19.3

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

Power Tolerance(W)	(0,+5W)
Maximum System Voltage(V)	1500
Maximum Series Fuse Rating (A)	20

### Temperature Characteristics

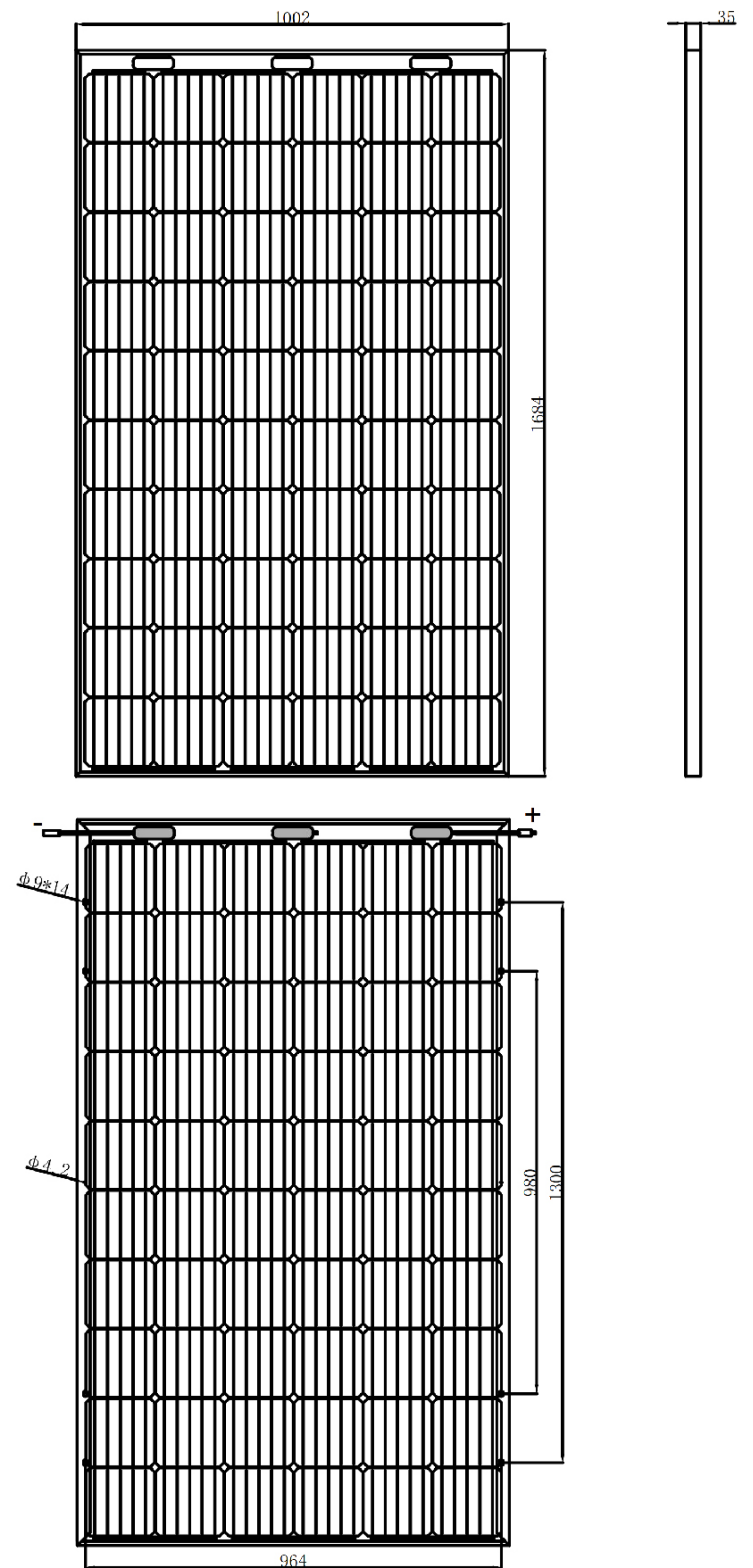
Pmax Temperature Coefficient	-0.370%/°C
Voc Temperature Coefficient	-0.300%/°C
Isc Temperature Coefficient	+0.060%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

### Mechanical Specifications

External Dimensions	1684×1002×35 mm
Weight	25.4 kg
Solar Cells	Mono crystalline 158.75×158.75mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm <sup>2</sup> , cable length: 1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

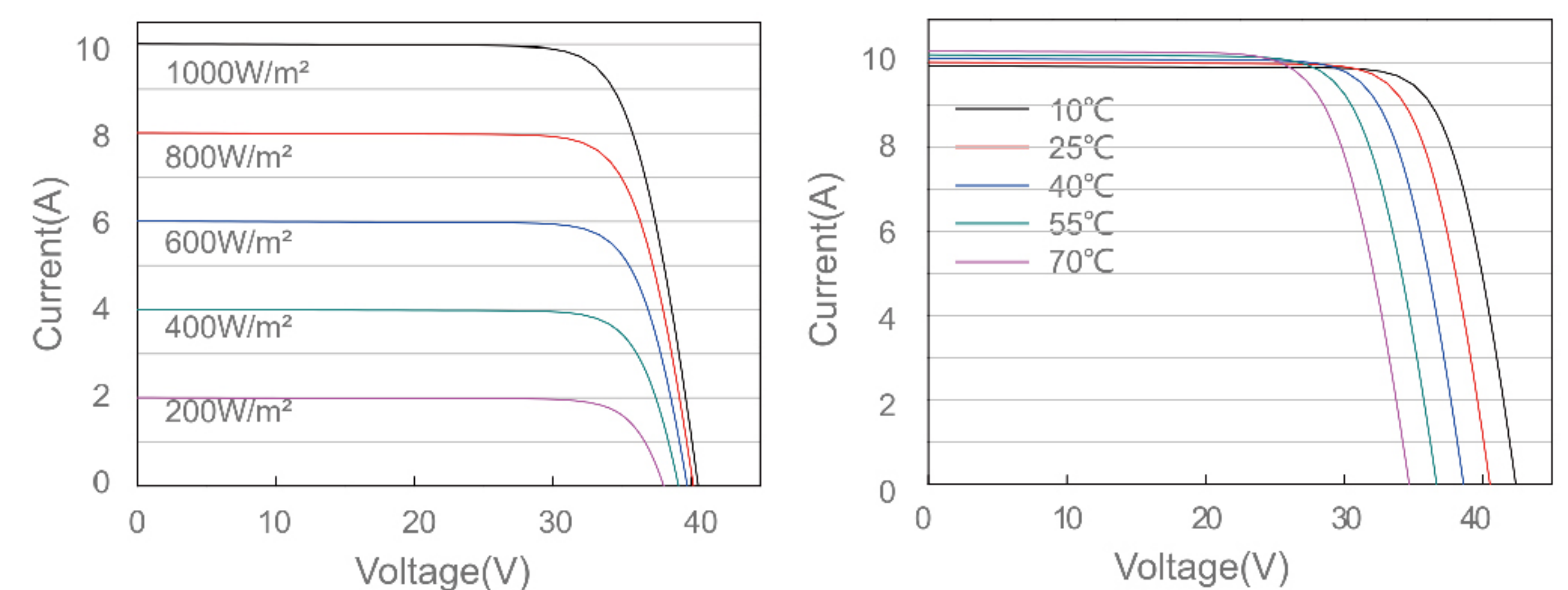
### Packing Configuration

	1684×1002×35mm	
Container	20'GP	40'GP
Pieces per Pallet	30	30
Pallets per Container	10	22
Pieces per Container	300	660



All Dimensions in mm(inch)  
The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact SUNKET.

### I-V Curve (SKT315M6-20/TB)



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