

SKT280~320M6-20

Standard 60Cells Monocrystalline PV Module



SUNKET®
萨科特

280~320 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

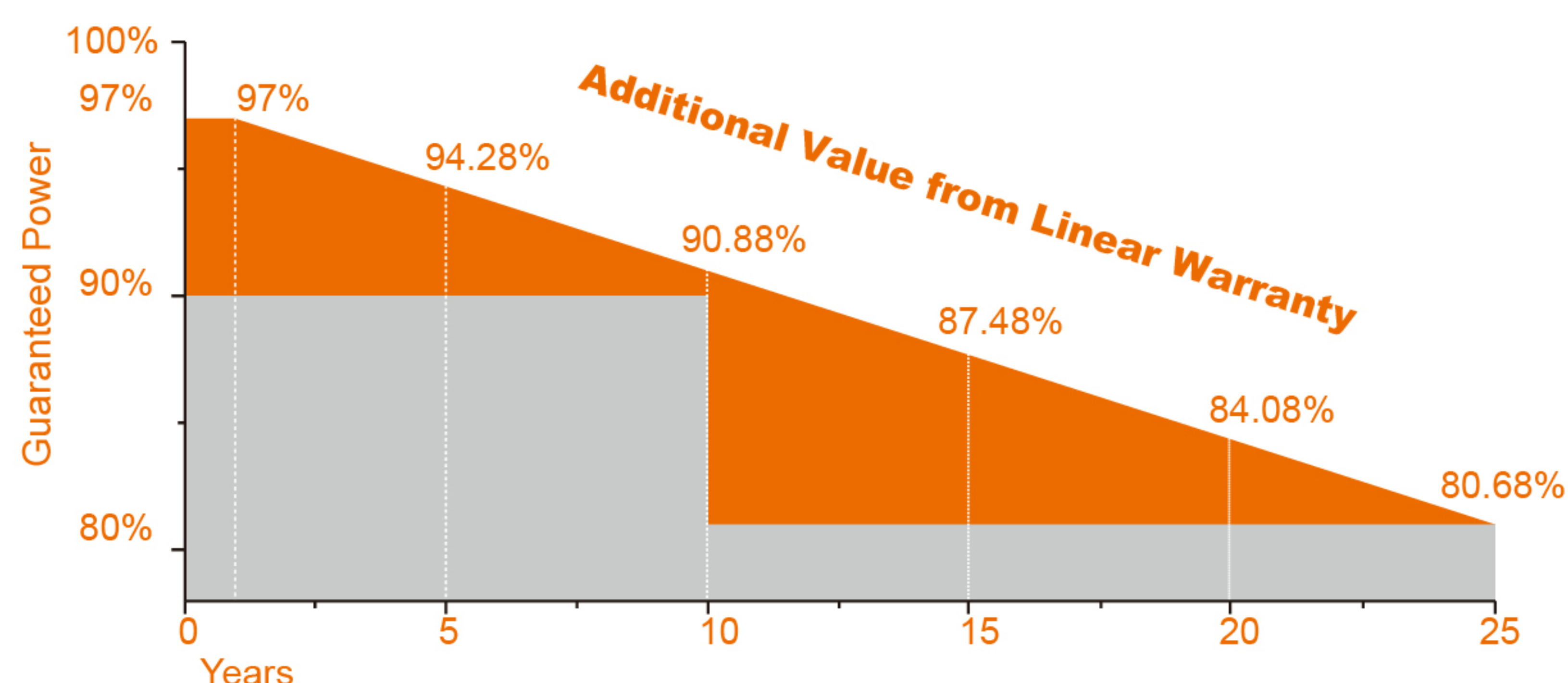


OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



WARRANTY



12 Years

Material & Craft
Quality
assurance

12 Years

90% Output
Power
guarantee

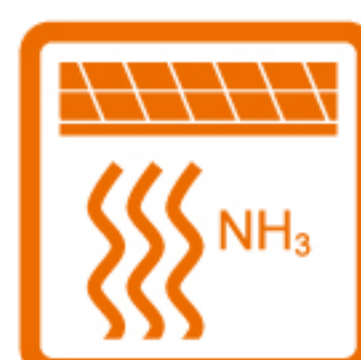
25 Years

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	SKT280M6-20	SKT290M6-20	SKT295M6-20	SKT300M6-20
Maximum Power- Pmax(W)	280	290	295	300
Open Circuit Voltage - Voc(V)	39.3	40.2	40.6	41.0
Short- Circuit Current - Isc(A)	9.50	9.62	9.75	9.83
Voltage at Pmax -Vmp(V)	32.3	33.1	33.5	33.9
Current at Pmax - Imp(A)	8.67	8.76	8.81	8.86
Module Efficiency -ηm (%)	17.1	17.8	18.0	18.3

Module Type	SKT305M6-20	SKT310M6-20	SKT315M6-20	SKT320M6-20
Maximum Power- Pmax(W)	305	310	315	320
Open Circuit Voltage - Voc(V)	41.4	41.8	42.2	42.6
Short- Circuit Current - Isc(A)	9.87	9.92	9.97	10.02
Voltage at Pmax -Vmp(V)	34.3	34.7	35.1	35.5
Current at Pmax - Imp(A)	8.90	8.94	8.98	9.02
Module Efficiency -ηm (%)	18.6	19.0	19.4	19.7

STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5

Power Tolerance(W)	(0,+4.99)
Maximum System Voltage(V)	1000/1500
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

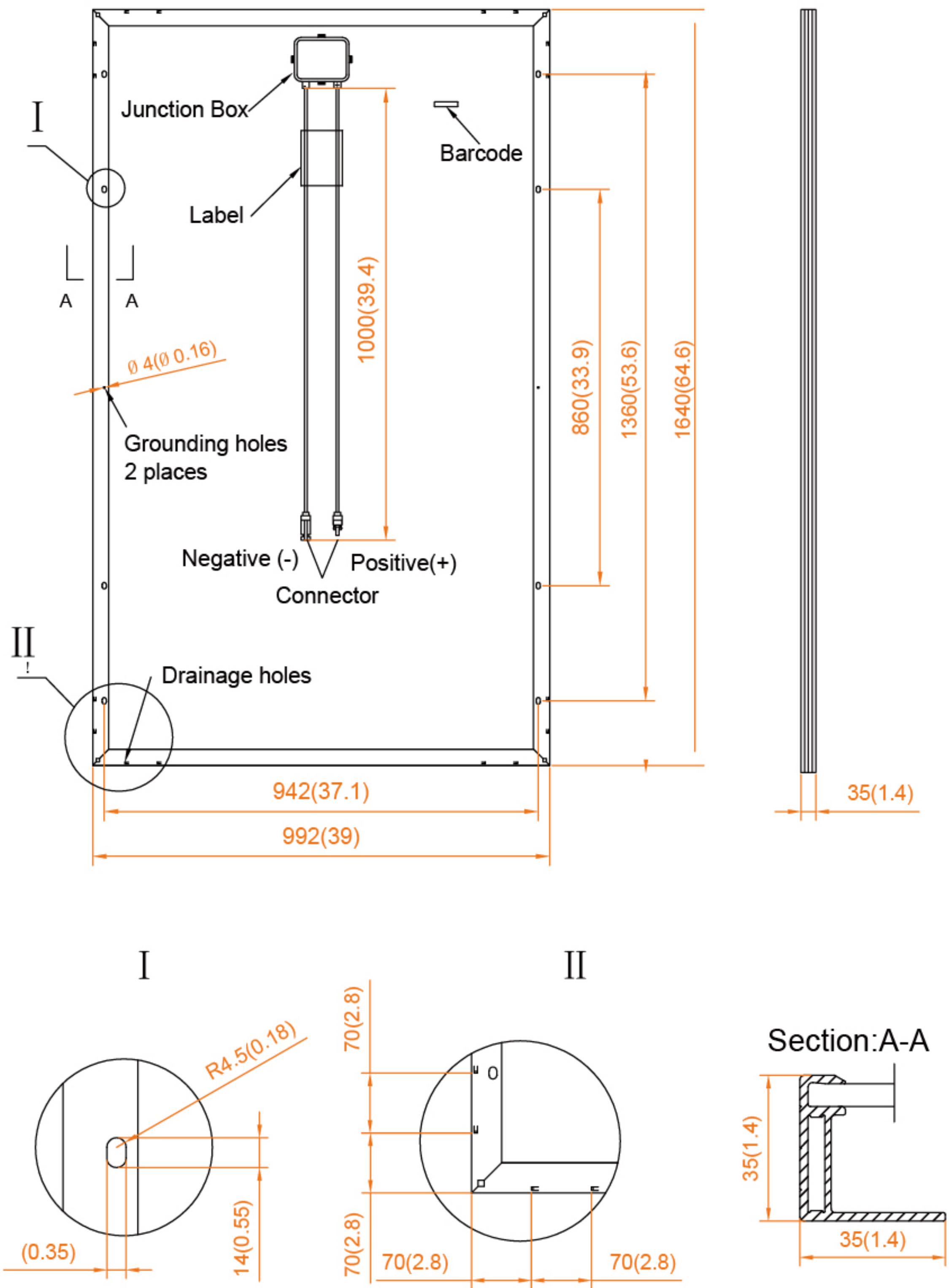
Pmax Temperature Coefficient	-0.36%/℃
Voc Temperature Coefficient	-0.29%/℃
Isc Temperature Coefficient	+0.05%/℃
Operating Temperature	-40~+85℃
Nominal Operating Cell Temperature(NOCT)	45±2℃

Mechanical Specifications

External Dimensions	1640×992×35 mm
Weight	20 kg
Solar Cells	Mono crystalline 156×156mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm²,cable length:1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

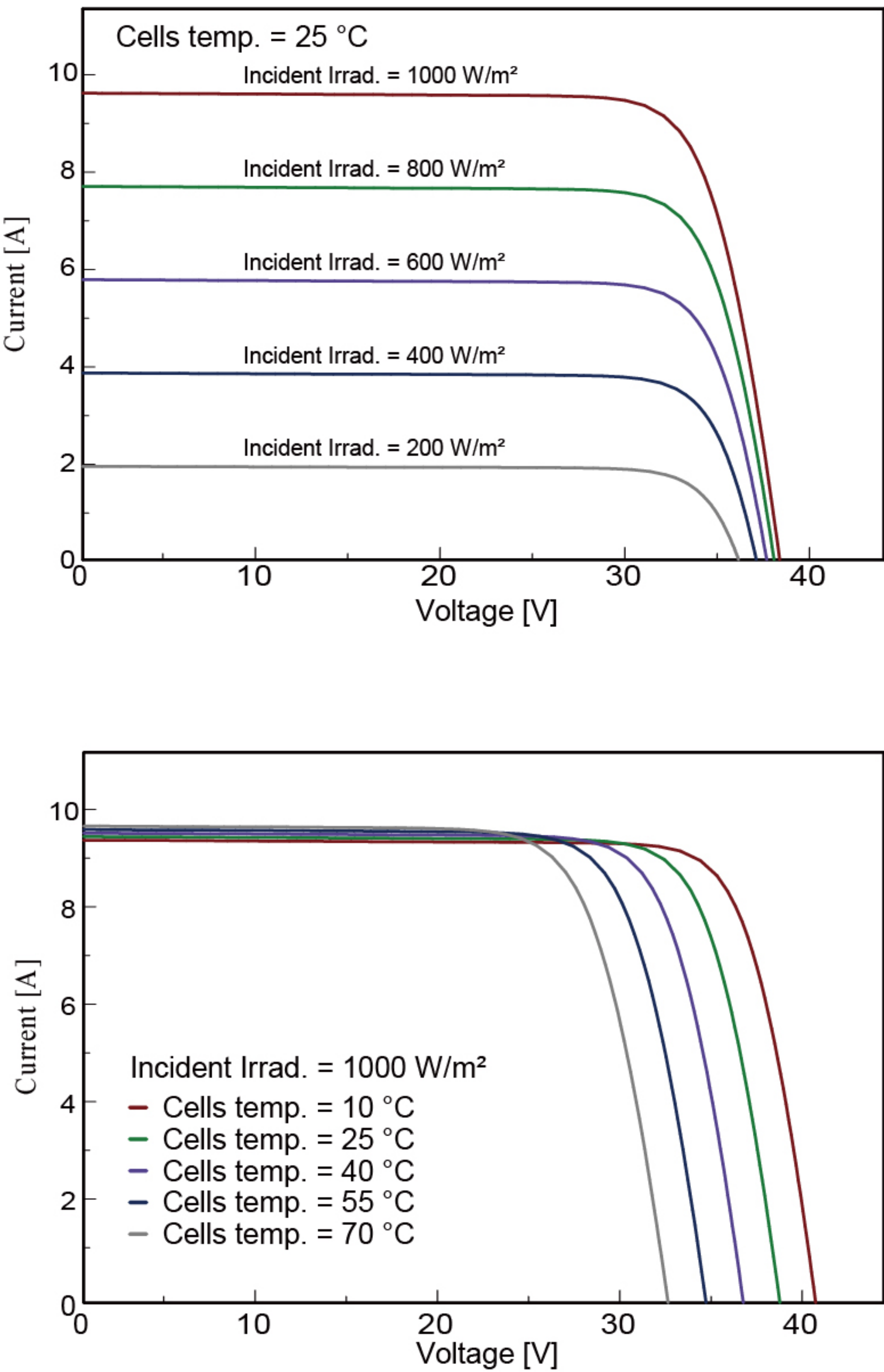
Packing Configuration

	1640×992×35mm	
Container	20'GP	40'GP
Pieces per Pallet	30	30
Pallets per Container	12	28
Pieces per Container	360	840



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 (SKT280M6-20)



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