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Solar Panel Guide Specification Data Sheet

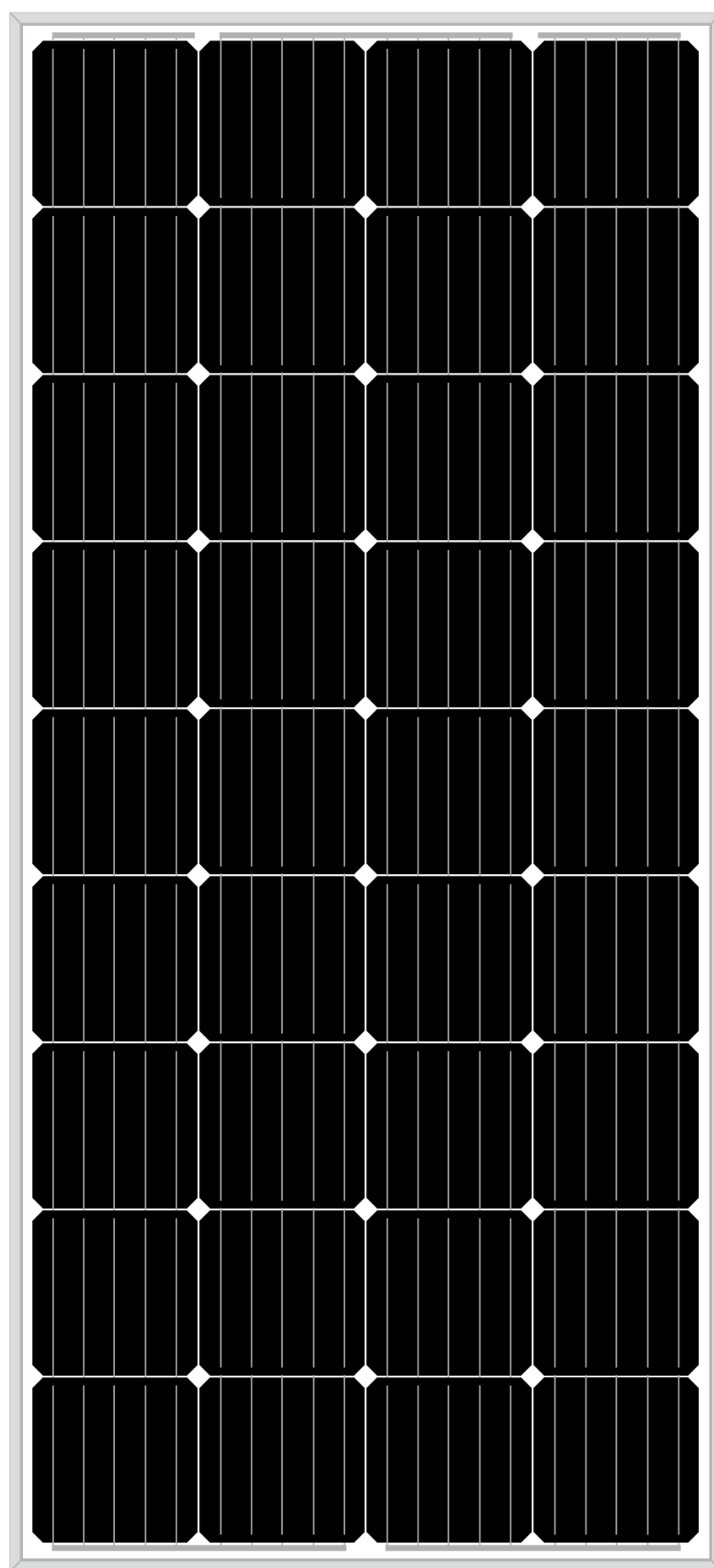
Wuxi Sunket New Energy Technology Co., Ltd.

SKT160-180M6-12

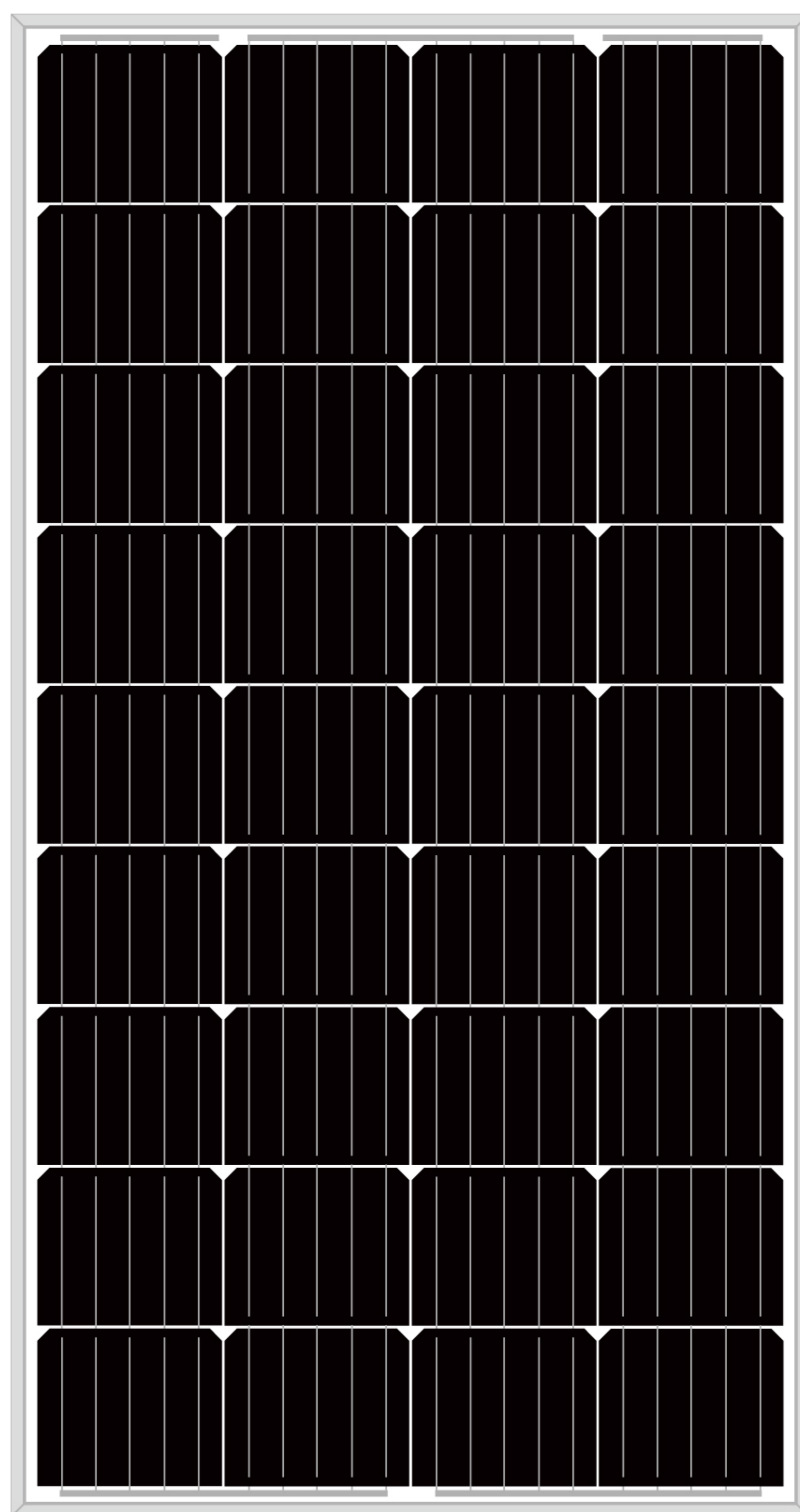
SKT170M6-12

Also available on the web at
[EnergyPal.com/wuxi-sunket-new-energy-technology-co-ltd-solar-panels/skt170m6-](http://EnergyPal.com/wuxi-sunket-new-energy-technology-co-ltd-solar-panels/skt170m6-12)

145~190 Watt



160W~190W



145W~155W



*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

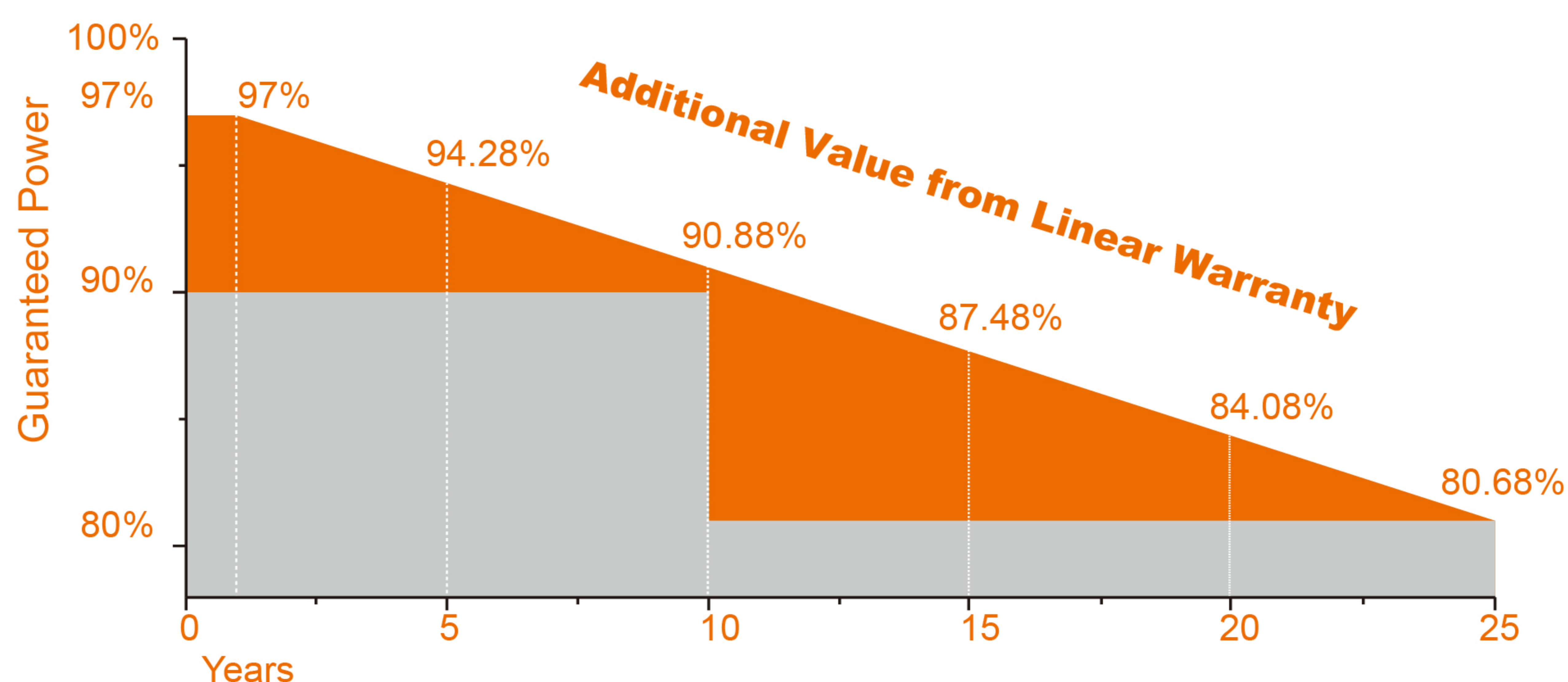
Years

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	SKT145M6-12	SKT150M6-12	SKT155M6-12	SKT160M6-12	SKT165M6-12
Maximum Power- Pmax(W)	145	150	155	160	165
Open Circuit Voltage - Voc(V)	22.4	22.6	22.7	22.8	23.1
Short- Circuit Current - Isc(A)	8.60	8.80	9.05	9.29	9.53
Voltage at Pmax -Vmp(V)	18.2	18.4	18.5	18.6	18.7
Current at Pmax - Imp(A)	7.97	8.15	8.38	8.60	8.82
Module Efficiency -ηm (%)	14.60	15.10	15.60	16.11	16.61

Module Type	SKT170M6-12	SKT175M6-12	SKT180M6-12	SKT185M6-12	SKT190M6-12
Maximum Power- Pmax(W)	170	175	180	185	190
Open Circuit Voltage - Voc(V)	23.4	23.6	23.9	24.1	24.4
Short- Circuit Current - Isc(A)	9.38	9.61	9.81	9.93	10.08
Voltage at Pmax -Vmp(V)	19.2	19.3	19.5	19.7	19.9
Current at Pmax - Imp(A)	8.86	9.07	9.24	9.39	9.55
Module Efficiency -ηm (%)	17.11	17.61	18.12	18.63	19.14

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

Power Tolerance(W)	(0,+4.99)
Maximum System Voltage(V)	715
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

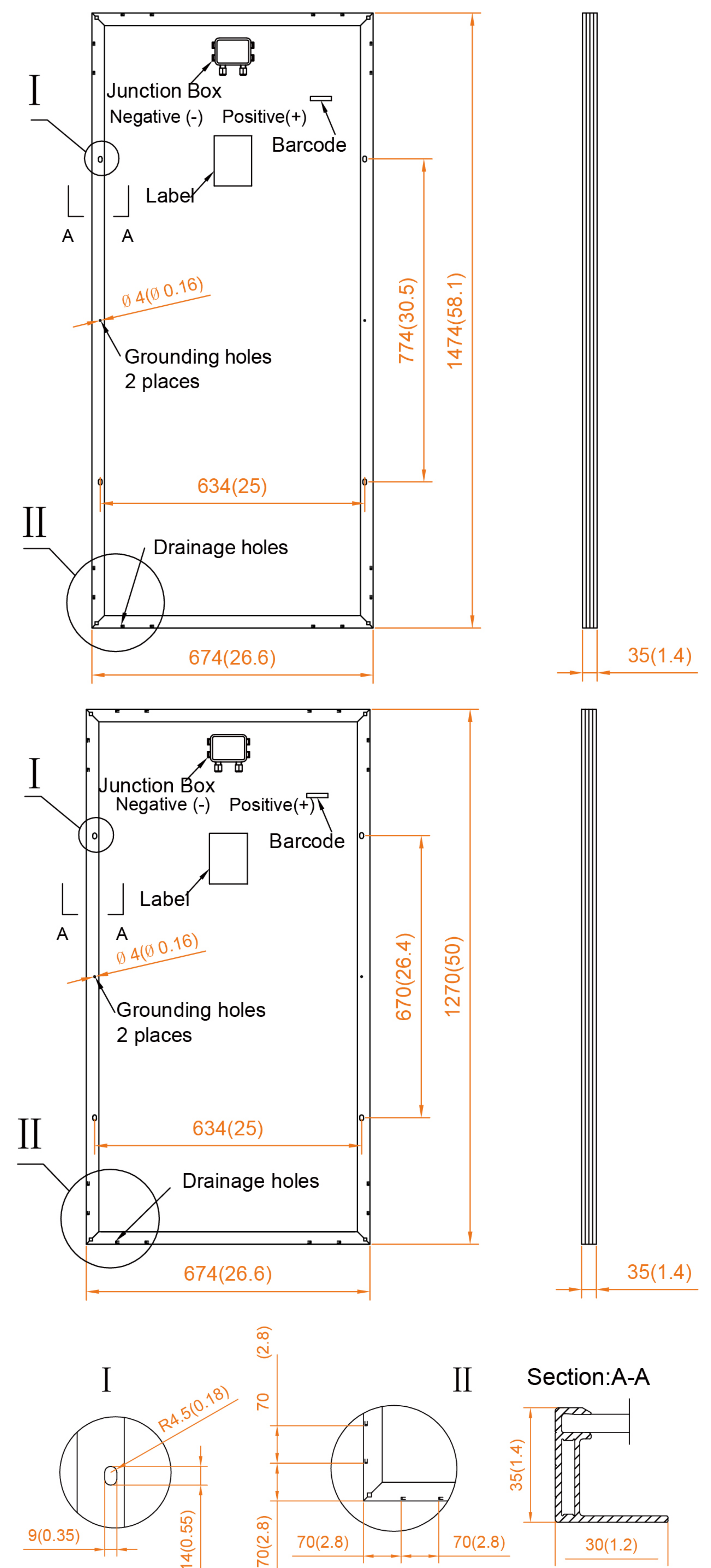
Pmax Temperature Coefficient	-0.40%/°C
Voc Temperature Coefficient	-0.32%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

Module Type	SKT160~190M6-12	SKT145~155M6-12
External Dimensions	1474×674×35mm	1270×674×35mm
Weight	11kg	9.5kg
Mono Solar Cells	156×156mm (36pcs)	133.25×156mm (36pcs)
Front Glass	3.2 mm tempered glass, low iron	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy	Anodized aluminum alloy
Junction Box	IP67	IP67
Mechanical Load	5400 Pa	5400 Pa

Packing Configuration

Module Type	SKT160~190M6-12	SKT145~155M6-12
Carton Dimensions	1515×1110×689mm	1310×1110×689mm
Pallet Dimensions	1525×1120×830mm	1320×1120×830mm
Pallet Weight	380kg	335kg
Pieces per Pallet	30(5pcs/carton)	30(5pcs/carton)

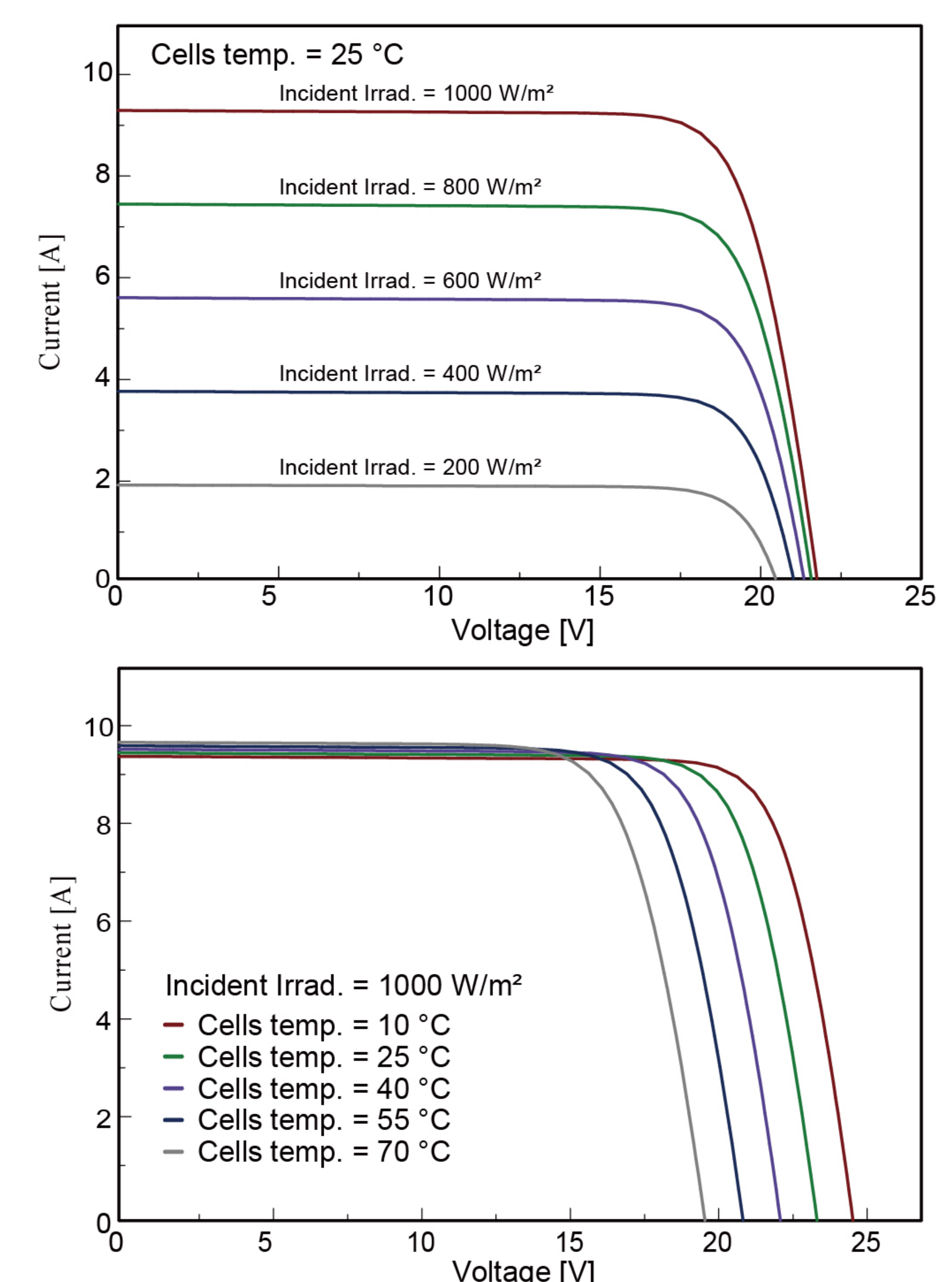


All Dimensions in mm(inch)

The above drawing is a graphical representation of the product.

For engineering quality drawings please contact SUNKET.

I-V Curve (SKT160M6-12)



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