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Solar Panel Guide Specification Data Sheet

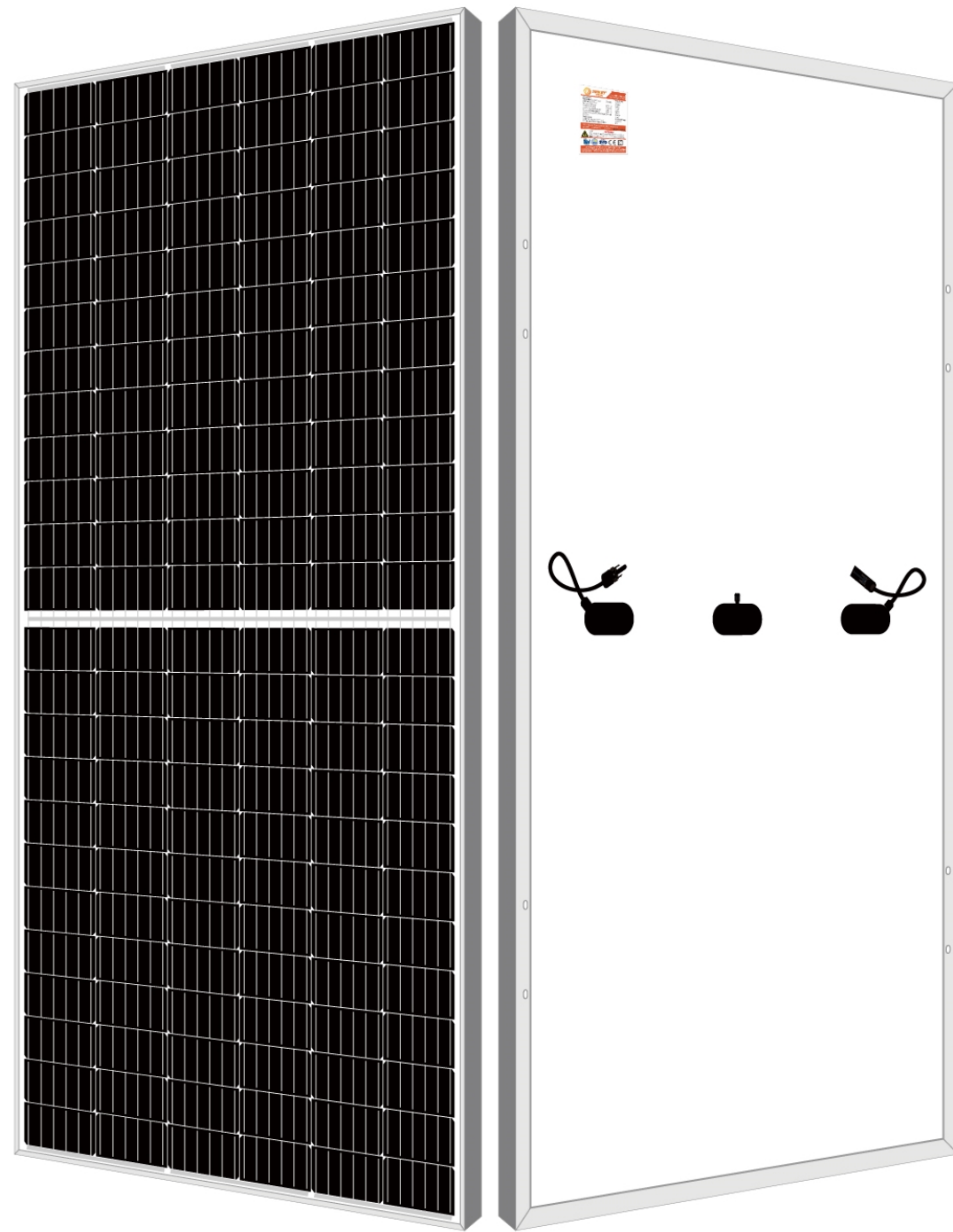
Wuxi Sunket New Energy Technology Co., Ltd.

SKT420-440M6-24/HC

SKT430M6-24/HC

Also available on the web at
EnergyPal.com/wuxi-sunket-new-energy-technology-co-ltd-solar-panels/skt430m6-24-hc

420~440 Watt



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

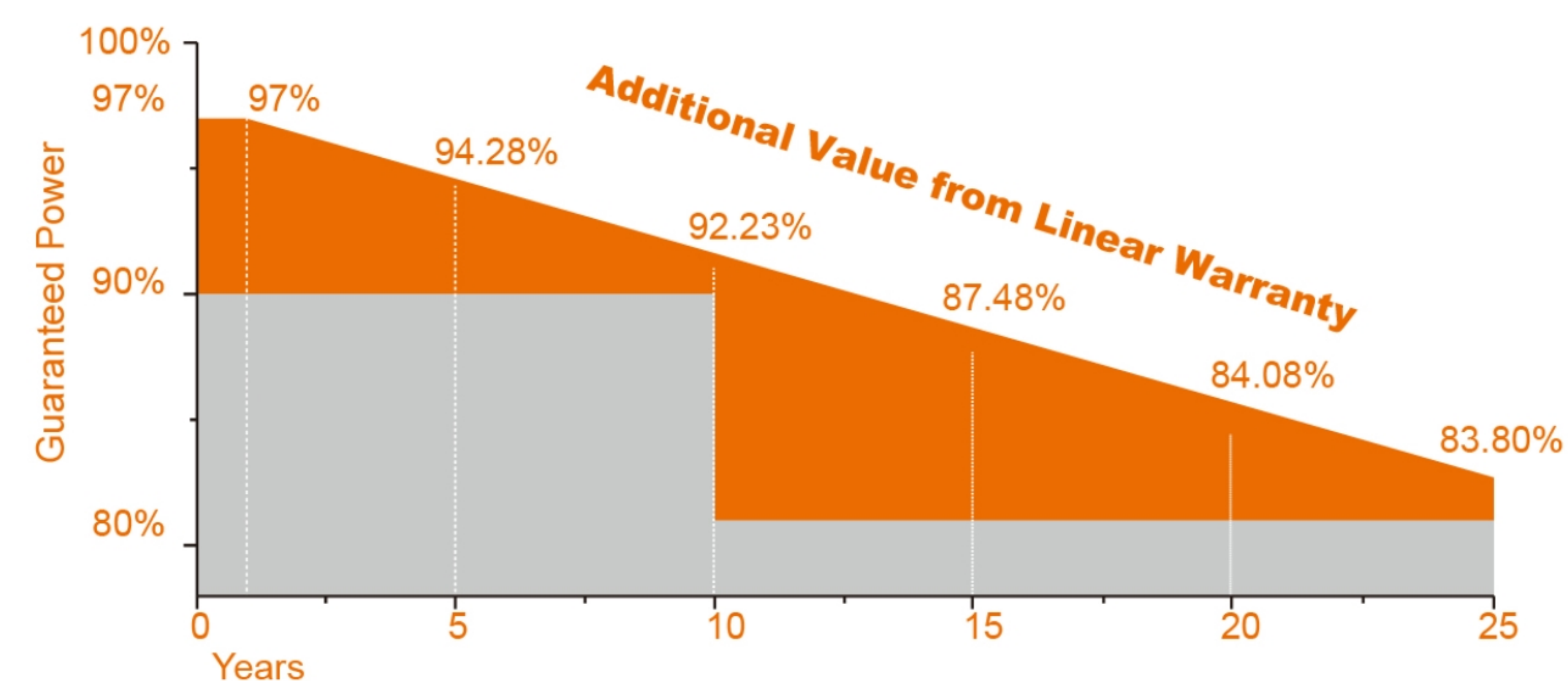
MANAGEMENT SYSTEM

- 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

*9BB (BUSBAR) PRODUCTS ARE AVAILABLE UPON REQUEST

Features



Higher output power



Lower temperature coefficient



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



Certified to withstand
severe environmental
conditions



Excellent low irradiance
performance



PID Excellent PID resistance



Less shading effect



Better mechanical loading
tolerance



Warranted reliability and stringent
quality assurances well beyond
certified requirements

Electrical Characteristics (STC)

Module Type	SKT420M6-24/HC	SKT425M6-24/HC	SKT430M6-24/HC
Maximum Power- Pmax(W)	420	425	430
Open Circuit Voltage - Voc(V)	48.8	49.0	49.2
Short- Circuit Current - Isc(A)	11.04	11.11	11.19
Voltage at Pmax -Vmp(V)	40.2	40.4	40.6
Current at Pmax - Imp(A)	10.45	10.52	10.60
Module Efficiency -ηm (%)	18.9	19.1	19.3

Module Type	SKT435M6-24/HC	SKT440M6-24/HC
Maximum Power- Pmax(W)	435	440
Open Circuit Voltage - Voc(V)	49.4	49.6
Short- Circuit Current - Isc(A)	11.26	11.33
Voltage at Pmax -Vmp(V)	40.8	41.0
Current at Pmax - Imp(A)	10.67	10.74
Module Efficiency -ηm (%)	19.6	19.8

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

Power Tolerance(W)	(0,+5W)
Maximum System Voltage(V)	1000/1500
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

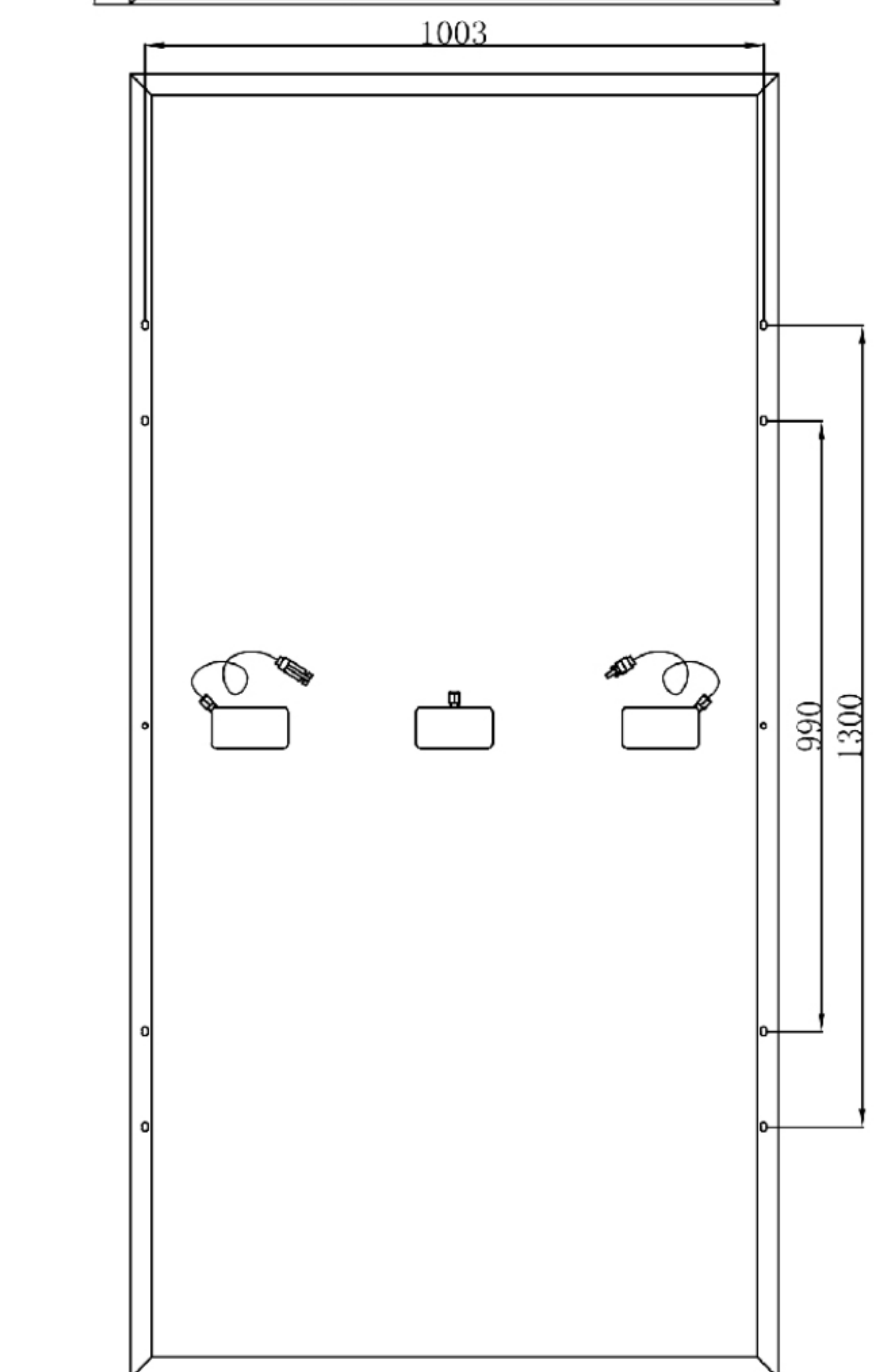
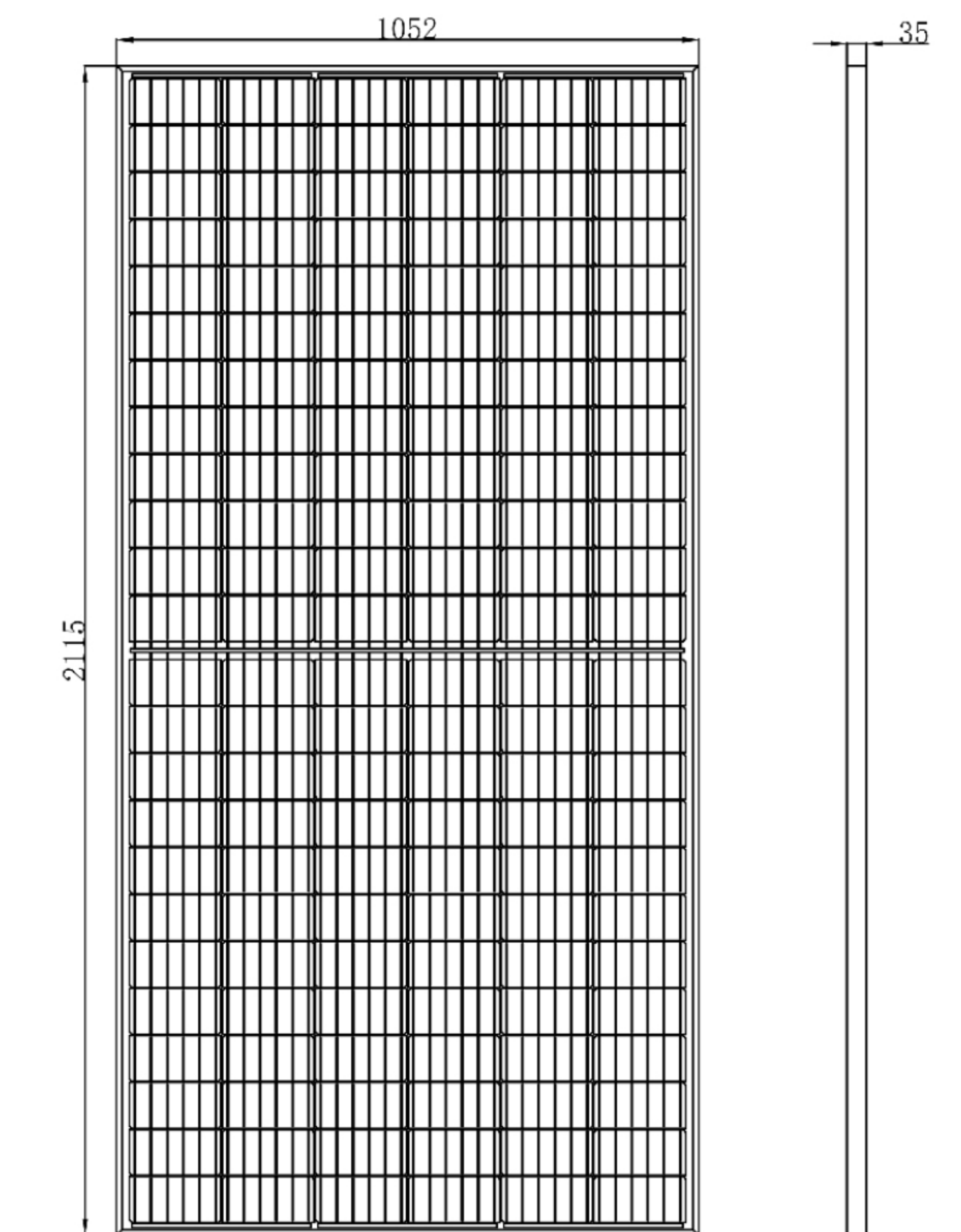
Pmax Temperature Coefficient	-0.370%/°C
Voc Temperature Coefficient	-0.286%/°C
Isc Temperature Coefficient	+0.057%/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

External Dimensions	2115×1052×35mm
Weight	24kg
Solar Cells	Mono crystalline 166×83mm (2×72pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4.0 mm ² , cable length: 1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

Packing Configuration

	2115×1052×35mm	
Container	20'GP	40'HQ
Pieces per Pallet	30	30
Pallets per Container	5	22
Pieces per Container	150	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 (SKT430M6-24)

