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Solar Panel Guide Specification Data Sheet

Wuxi Sunket New Energy Technology Co., Ltd.

SKT390-410M6-24/HC

SKT405M6-24/HC

Also available on the web at
EnergyPal.com/wuxi-sunket-new-energy-technology-co-ltd-solar-panels/skt405m6-24-hc

SKT390~410M6-24/HC

PERC Half-Cell
144Cells Monocrystalline PV Module PLUS



SUNKET®
薛科特

390~410 Watt



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

MANAGEMENT SYSTEM



ISO 9001: Quality management system

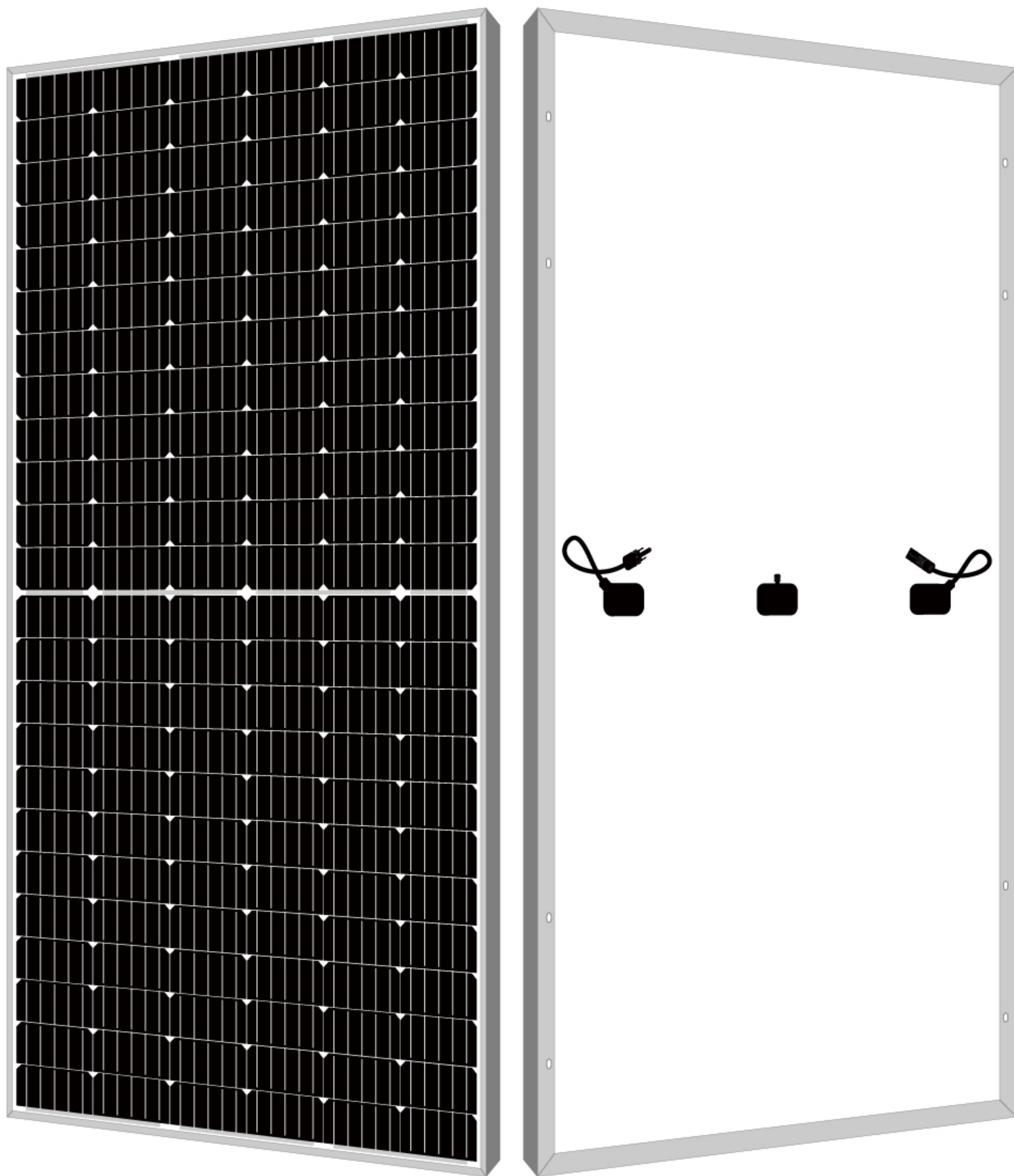


ISO 14001: Standard for environmental management system

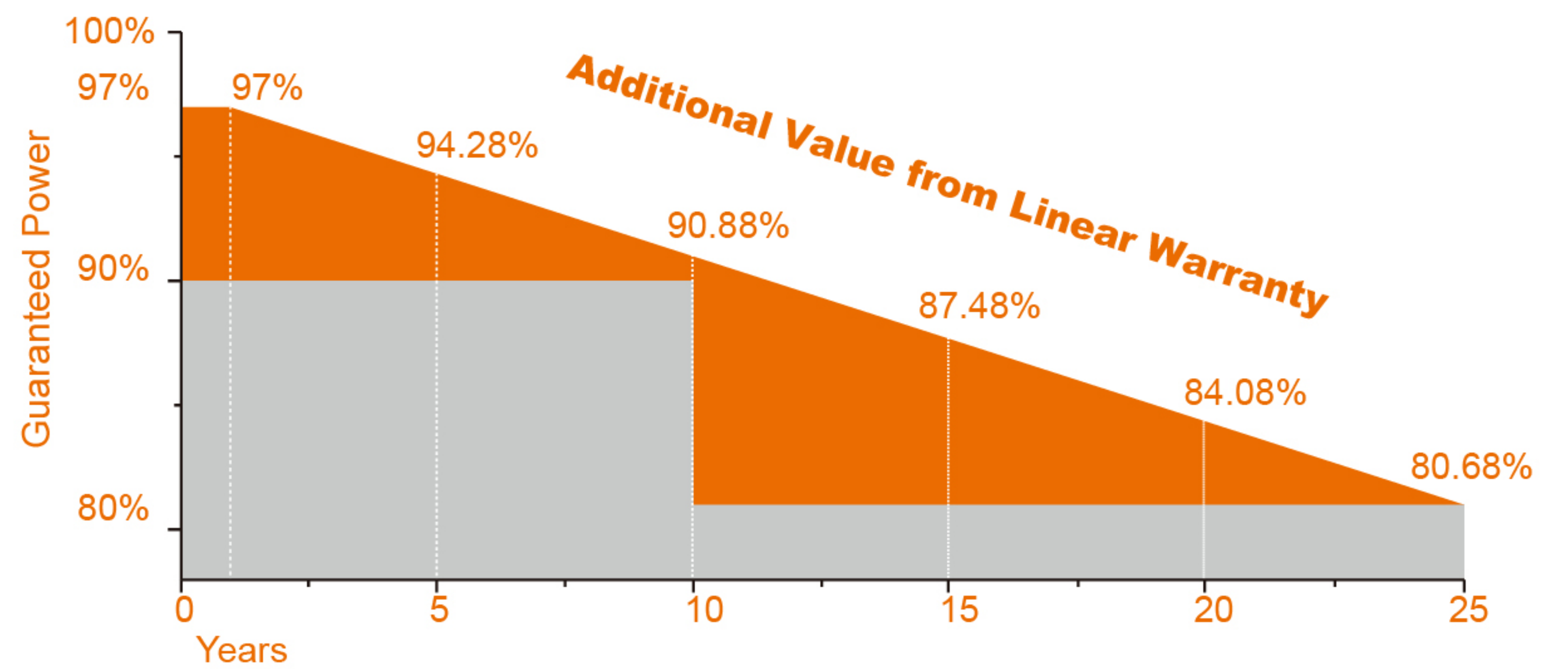


OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



WARRANTY



12 Years
Material & Craft
Quality
assurance

12 Years
90% Output
Power
guarantee

25 Years
80% Output
Power
guarantee

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



Excellent PID resistance



Less shading effect



Better mechanical loading tolerance



Warranted reliability and stringent quality assurances well beyond certified requirements

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Electrical Characteristics (STC)

Module Type	SKT390M6-24/HC	SKT395M6-24/HC	SKT400M6-24/HC
Maximum Power- Pmax(W)	390	395	400
Open Circuit Voltage - Voc(V)	49.3	49.5	49.8
Short- Circuit Current - Isc(A)	10.12	10.23	10.36
Voltage at Pmax -Vmp(V)	41.1	41.4	41.7
Current at Pmax - Imp(A)	9.49	9.55	9.60
Module Efficiency -ηm (%)	19.38	19.63	19.88

Module Type	SKT405M6-24/HC	SKT410M6-24/HC
Maximum Power- Pmax(W)	405	410
Open Circuit Voltage - Voc(V)	50.1	50.4
Short- Circuit Current - Isc(A)	10.48	10.60
Voltage at Pmax -Vmp(V)	42.0	42.3
Current at Pmax - Imp(A)	9.65	9.69
Module Efficiency -ηm (%)	20.13	20.38

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

Power Tolerance(W)	(0,+3%)
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

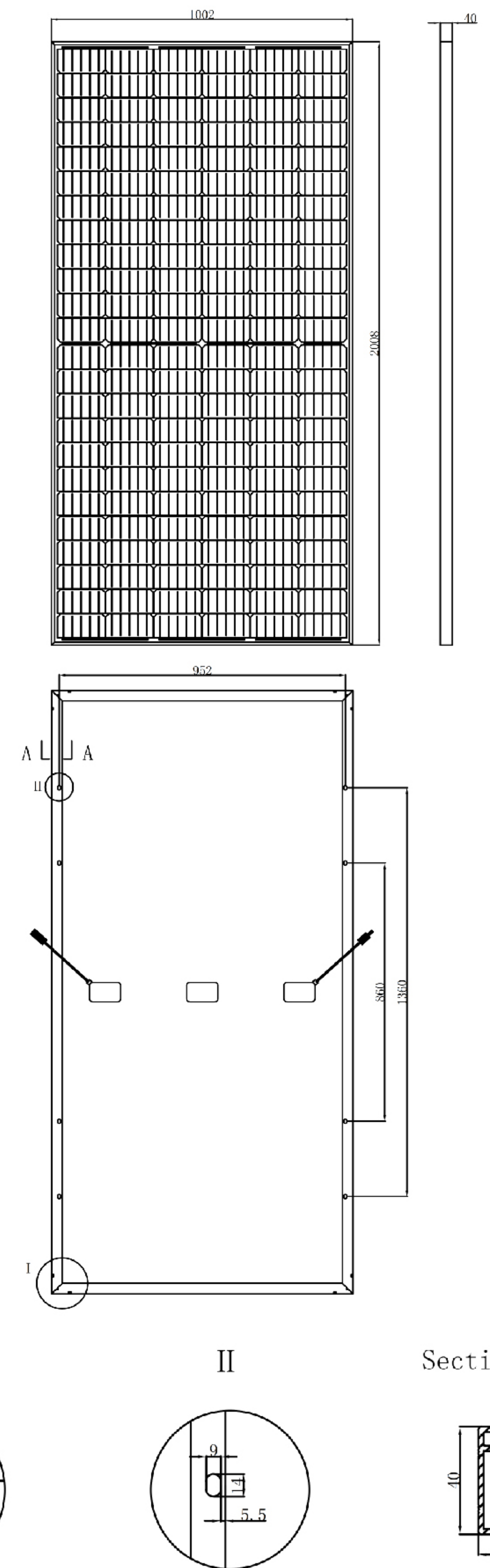
Pmax Temperature Coefficient	-0.360%/°C
Voc Temperature Coefficient	-0.289%/°C
Isc Temperature Coefficient	+0.048%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Mechanical Specifications

External Dimensions	2008×1002×40mm
Weight	22.5 kg
Solar Cells	Mono crystalline 158.75×79.375mm (2×72pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm ² ,cable length:1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

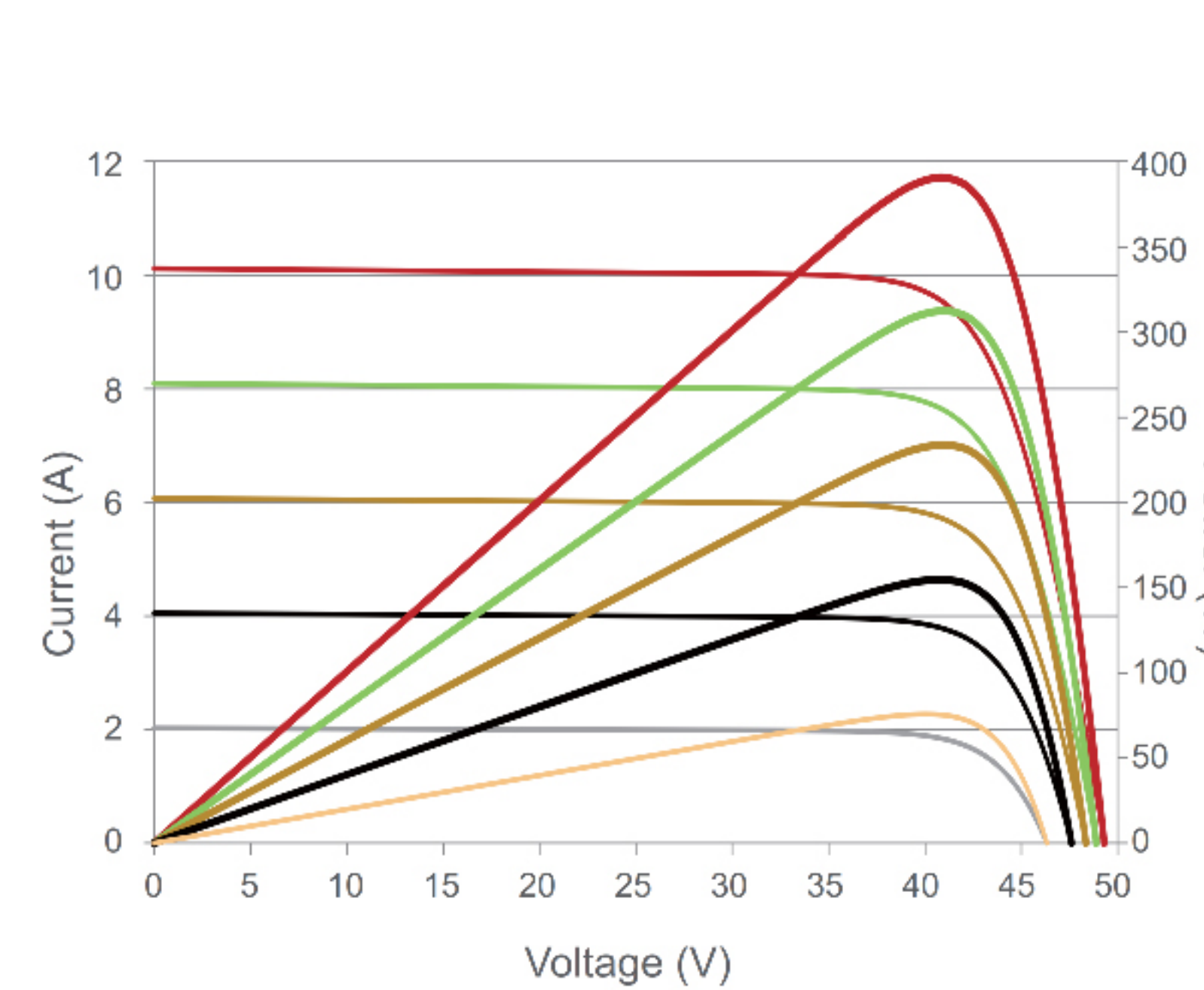
Packing Configuration

	2008×1002×40mm	
Container	20'GP	40'HQ
Pieces per Pallet	26	28
Pallets per Container	10	22
Pieces per Container	260	616

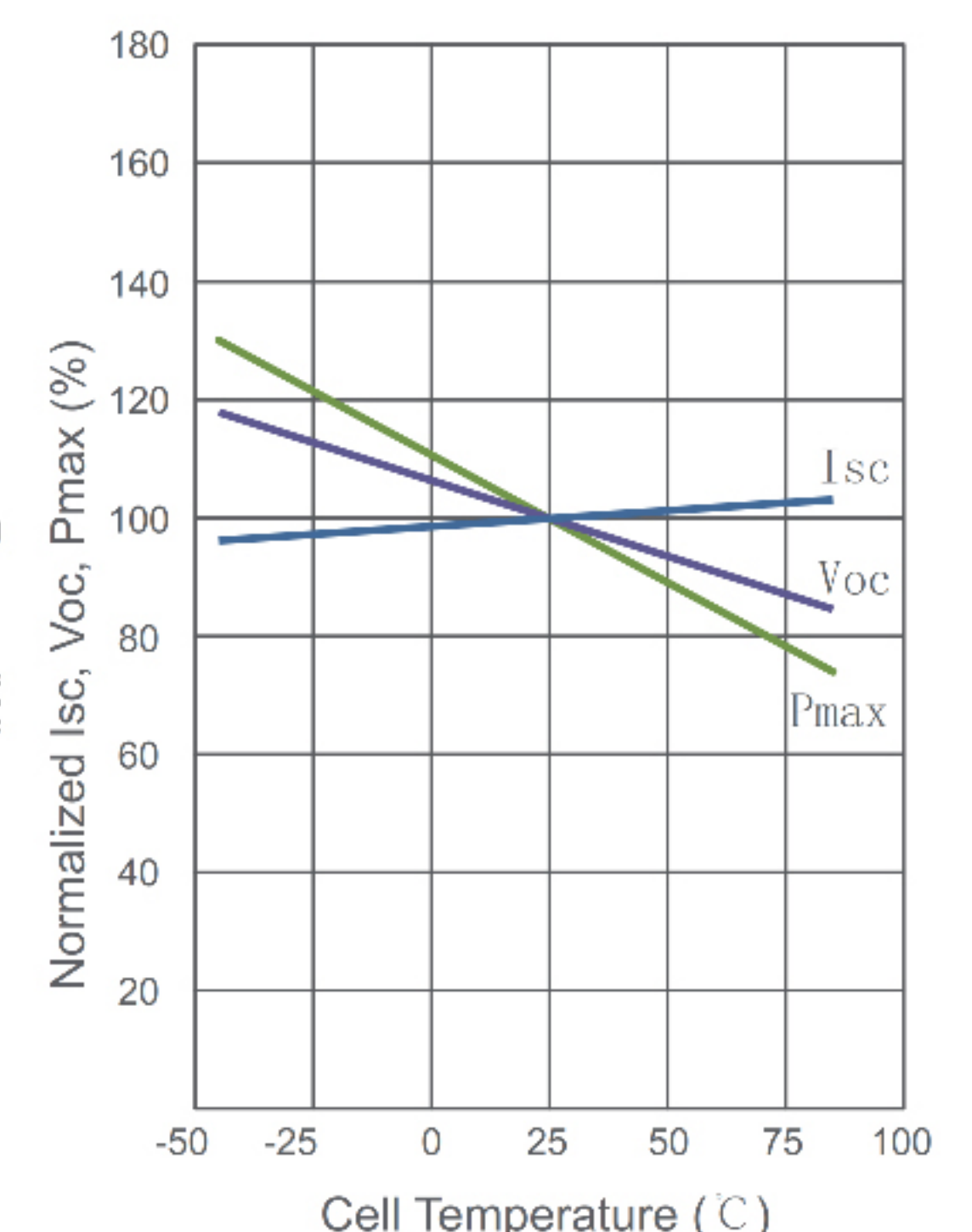


All Dimensions in mm(inch)
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.

Current-Voltage & Power-Voltage Curves (390W)



Temperature Dependence of Isc, Voc, Pmax



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