

ULTRA
N TYPE

- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Anti PID
- 100% Inspection 25years Guarantee
- SMBB Technology Half Cut N Type Cell

SKT425~460M10

425~460 Watt

188x182mm 16BB 108Cells
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty

25 Year
89.4% Output
Power guarantee

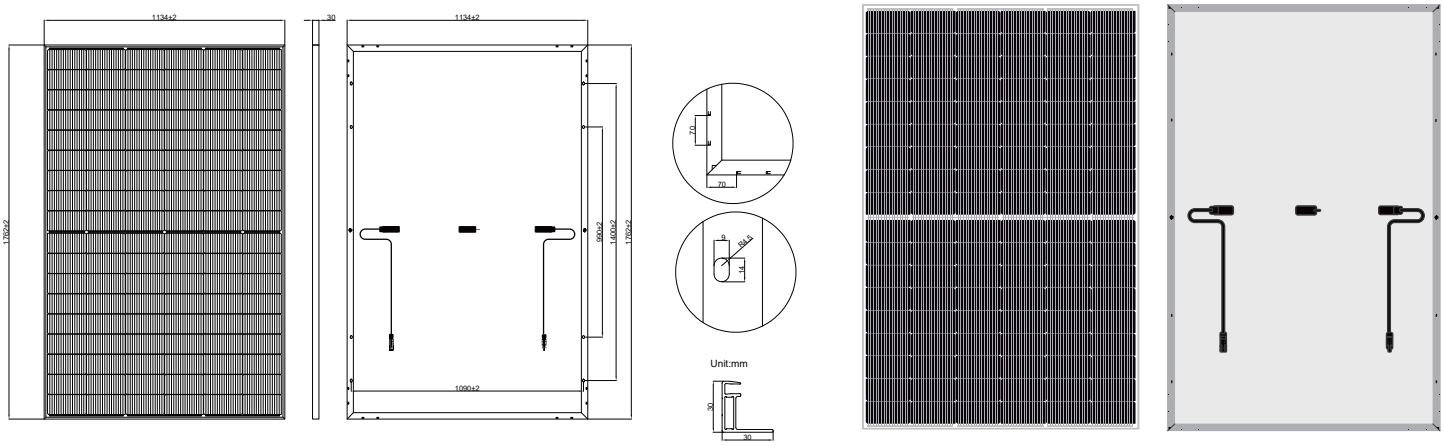
12 Year
Materials and
workmanship

SUNKET® - Solar

SKT425~460M10

188x182mm 16BB 108Cells
N Type Mono Half Cell PV Module Series

SUNKET® - Solar



All Dimensions in mm
The above drawing is a graphical representation of the product.

Electrical Characteristics (STC)

Module Type	SKT425M10	SKT430M10	SKT435M10	SKT440M10	SKT445M10	SKT450M10	SKT455M10	SKT460M10
Front Side	STC	STC	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	425	430	435	440	445	450	455	460
Open Circuit Voltage - Voc(V)	38.30	38.50	38.70	38.90	39.10	39.30	39.50	39.70
Short- Circuit Current - Isc(A)	14.06	14.14	14.23	14.31	14.40	14.48	14.56	14.64
Voltage at Pmax -Vmp(V)	31.94	32.12	32.29	32.47	32.65	32.82	33.00	33.18
Current at Pmax - Imp(A)	13.31	13.39	13.47	13.55	13.63	13.71	13.79	13.87
Module Efficiency -ηm(%)	21.27	21.50	21.80	22.00	22.30	22.50	22.80	23.10
Power Tolerance(W)	(0，+5W)							
Maximum System Voltage(V)	1500Vdc (IEC / UL)							
Maximum Series Fuse Rating (A)	30A							

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

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	21kg
Solar Cells	N-Type 16BB 182x94mm (2x54pcs)
Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1200mm (+),1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

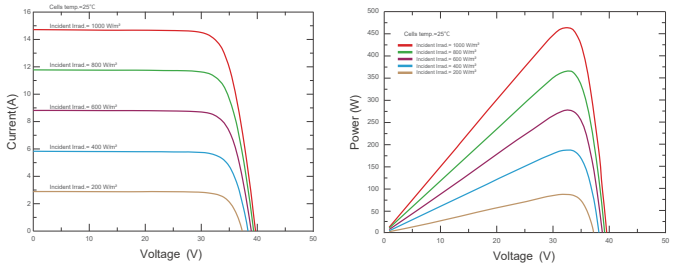
Packing Configuration

Pallet Dimensions	1790x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	26
Pieces per Container	962

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/℃
Voc Temperature Coefficient	-0.250%/℃
Isc Temperature Coefficient	+0.045%/℃
Operating Temperature	-40~+85℃
Nominal Operating Cell Temperature	45±2℃

Current-Voltage & Power-Voltage Curves (SKT460M10)



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