

ULTRA
N TYPE

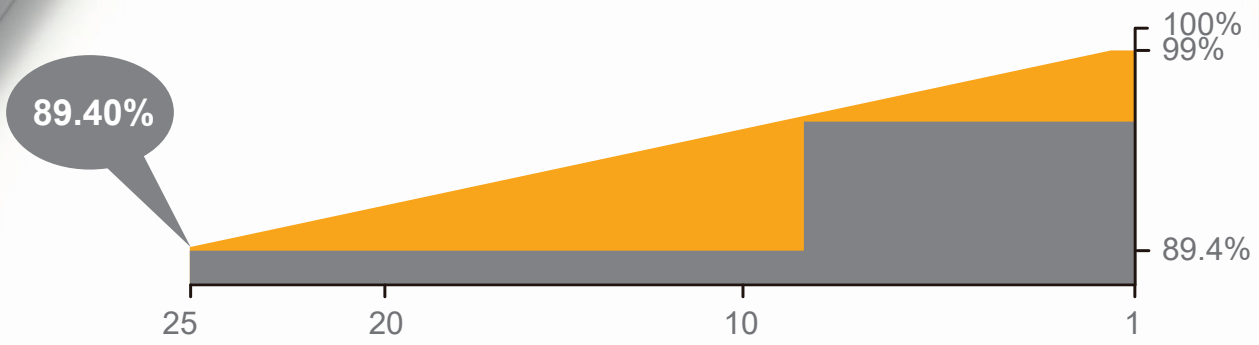
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Anti PID
- 100% Inspection 25years Guarantee
- SMBB Technology Half Cut N Type Cell

SKT420~455M10-108D5

420~455 Watt

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

Sunket N Type Linear Warranty



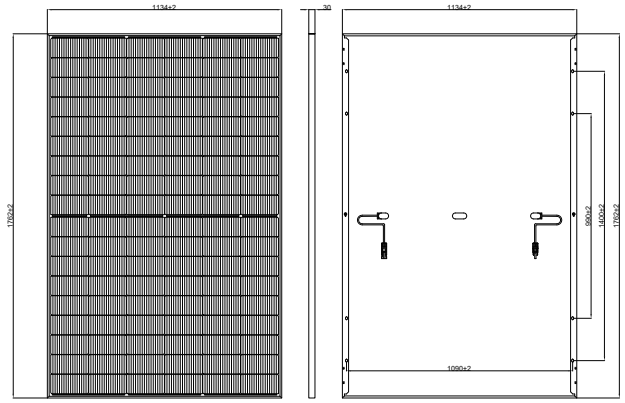
25 Year
89.4% Output Power guarantee

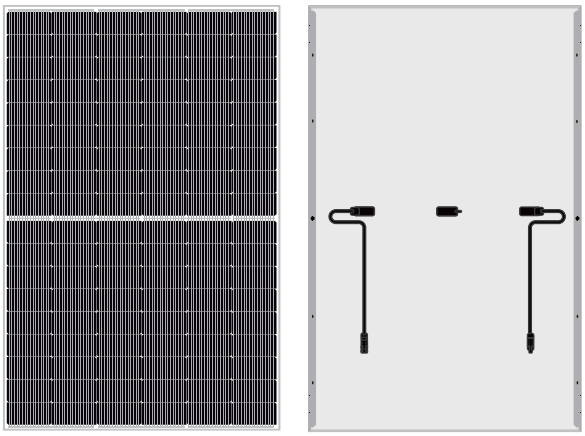
12 Year
Materials and workmanship

SUNKET® - Solar

SKT420~455M10-108D5

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





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

Electrical Characteristics (STC)

Module Type	SKT420M10-108D5	SKT425M10-108D5	SKT430M10-108D5	SKT435M10-108D5	SKT440M10-108D5	SKT445M10-108D5	SKT450M10-108D5	SKT455M10-108D5
Test Conditions	STC	STC	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	420	425	430	435	440	445	450	455
Open Circuit Voltage - Voc(V)	38.10	38.30	38.50	38.70	38.90	39.10	39.30	39.50
Short- Circuit Current - Isc(A)	13.98	14.06	14.14	14.23	14.31	14.40	14.48	14.56
Voltage at Pmax -Vmp(V)	31.77	31.94	32.12	32.29	32.47	32.65	32.82	33.00
Current at Pmax - Imp(A)	13.22	13.31	13.39	13.47	13.55	13.63	13.71	13.79
Module Efficiency -ηm(%)	21.02	21.27	21.50	21.80	22.00	22.30	22.50	22.80
Power Tolerance(W)	(0，+5W)							
Maximum System Voltage(V)	1500Vdc (IEC / UL)							
Maximum Series Fuse Rating (A)	25A							

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

*Measurement tolerance: ±3%　*Power binning up to: +3%

Mechanical Specifications

External Dimensions	1762×1134×30mm
Weight	21kg
Solar Cells	N-Type 16BB 182×94mm (2×54pcs)
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

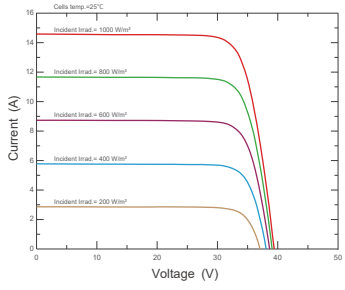
Packing Configuration

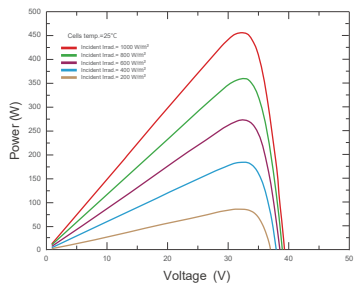
Pallet Dimensions	1790×1140×1254mm		
Ways of Transport	40'HQ	13.5m Flatbed Truck	17.5m Flatbed Truck
Pieces per Pallet	37 Pcs	36 Pcs	36 Pcs
Pallets per Container	26 Pallets	24 Pallets	36 Pallets
Pieces per Container	962 Pcs	864 Pcs	1296 Pcs

Temperature Characteristics

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

Current-Voltage & Power-Voltage Curves (SKT455M10-108D5)





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