

ULTRA

N TYPE

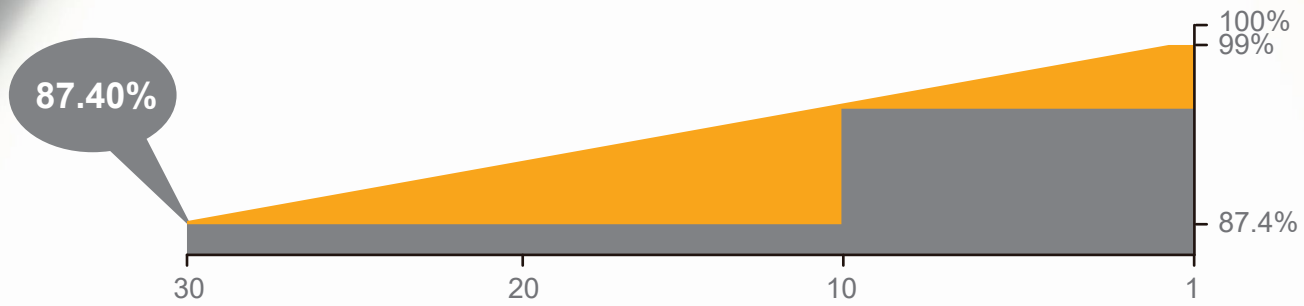
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut N Type Cell

SKT420~455M10-108D5

420~455 Watt

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

Sunket N Type Linear Warranty



30 Year
87.4% Output
Power guarantee

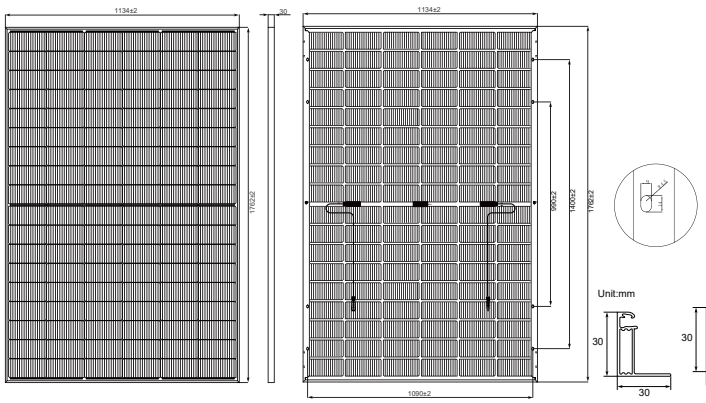
15 Year
Materials and
workmanship

SUNKET® - Solar

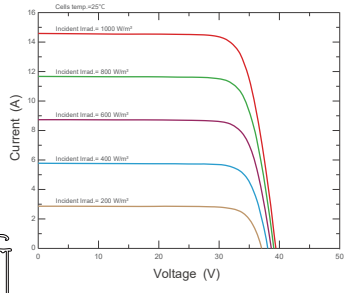
SKT420~455M10-108D5

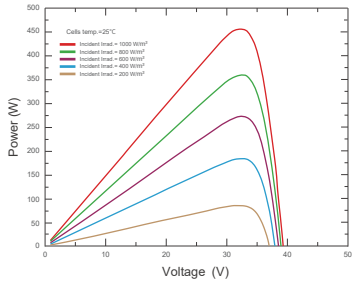
188x182mm 16BB 108Cells Double Glass Bifacial
N Type Mono Half Cell PV Module Series

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





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)	30A							

*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	21.5kg
Solar Cells	N-Type 16BB 182×94mm (2×54pcs)
Glass	AR Coated 1.6+1.6 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

Bifacial Output Rear Side Power Gain

*Take SKT455M10-108D5 as an example.

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	478.0	501.0	546.0
Open Circuit Voltage - Voc(V)	39.50	39.50	39.50
Short- Circuit Current - Isc(A)	15.29	16.01	17.47
Voltage at Pmax -Vmp(V)	33.00	33.00	33.00
Current at Pmax - Imp(A)	14.48	15.17	16.55

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℃

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

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