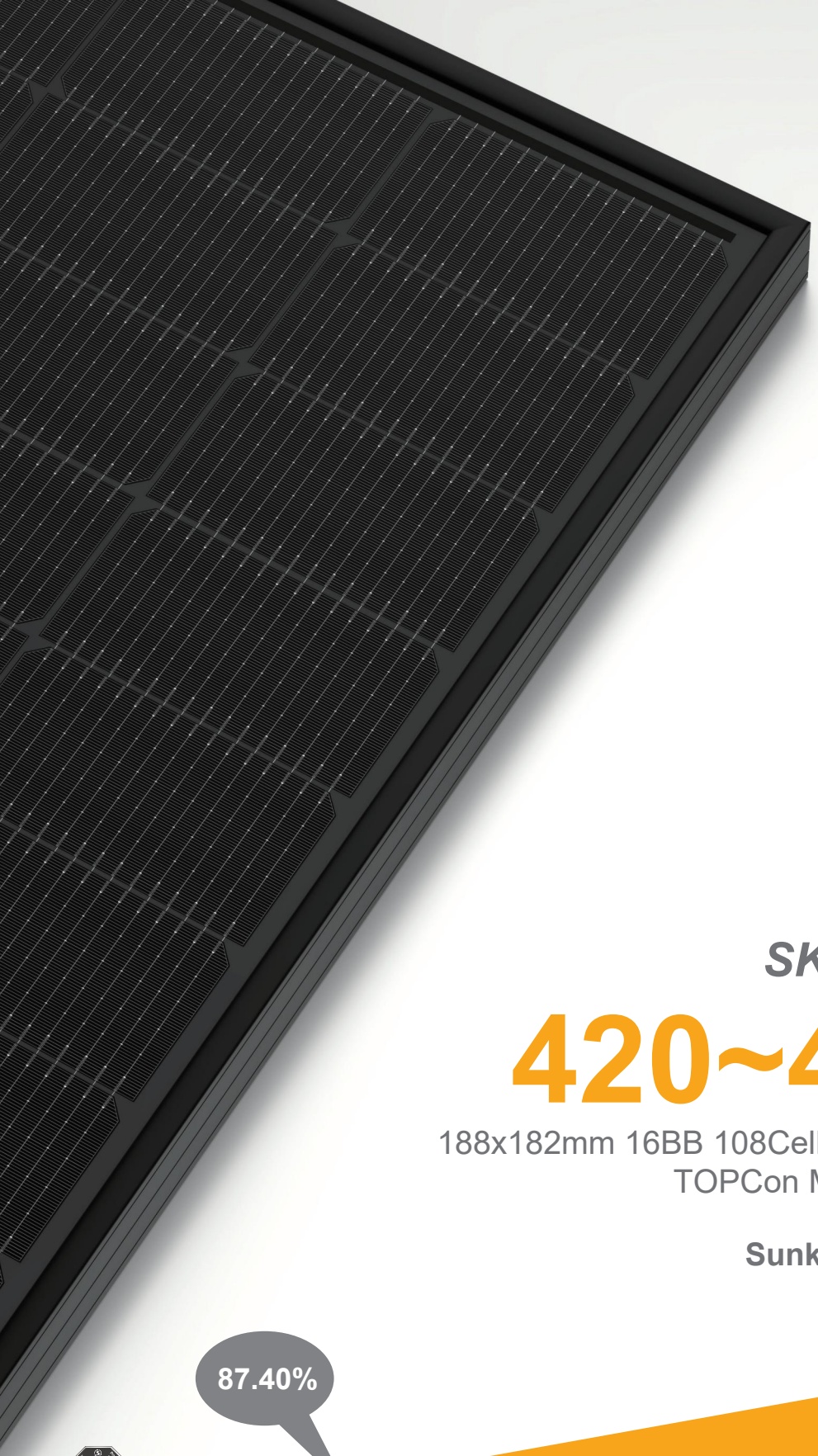


ULTRA TOPCon

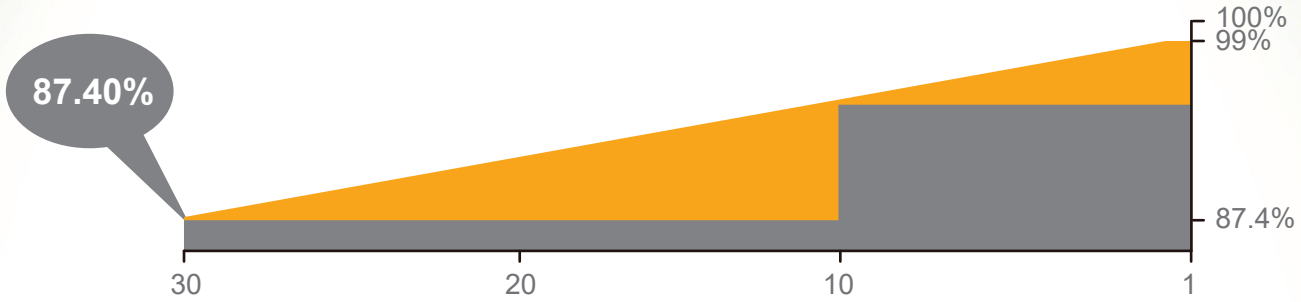
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut TOPCon Cell

SKT420~455M10-108D6

420~455 Watt

188x182mm 16BB 108Cells All Black Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

Sunket TOPCon Linear Warranty



30 Year
87.4% Output
Power guarantee

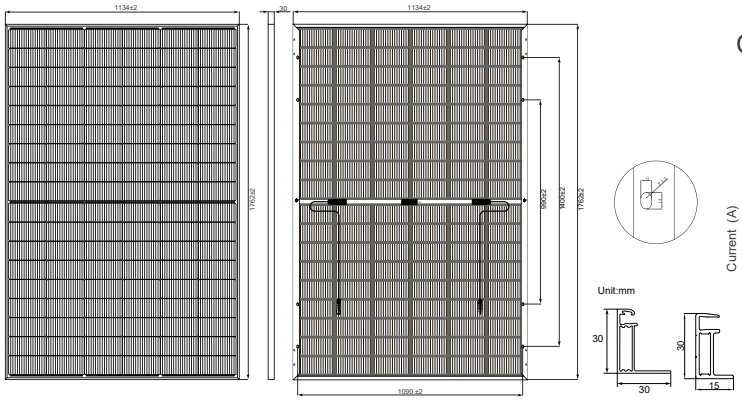
15 Year
Materials and
workmanship

SUNKET® - Solar

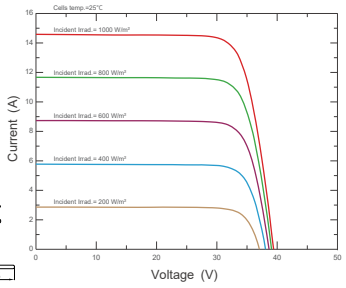
SKT420~455M12-108D6

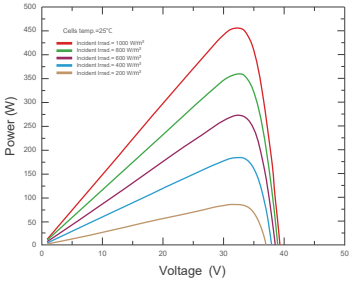
188x182mm 16BB 108Cells All Black Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

SUNKET® - Solar



Current-Voltage & Power-Voltage Curves (SKT455M10-108D6)





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

Electrical Characteristics (STC)

Module Type	SKT420M10-108D6	SKT425M10-108D6	SKT430M10-108D6	SKT435M10-108D6	SKT440M10-108D6	SKT445M10-108D6	SKT450M10-108D6	SKT455M10-108D6
Front Side	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

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	24kg
Solar Cells	N-Type 16BB 182x94mm (2x54pcs)
Front Glass	AR Coated 2+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

Bifacial Output Rear Side Power Gain

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	-40~+85℃
Nominal Operating Cell Temperature	45±2℃

Packing Configuration

	1762x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936