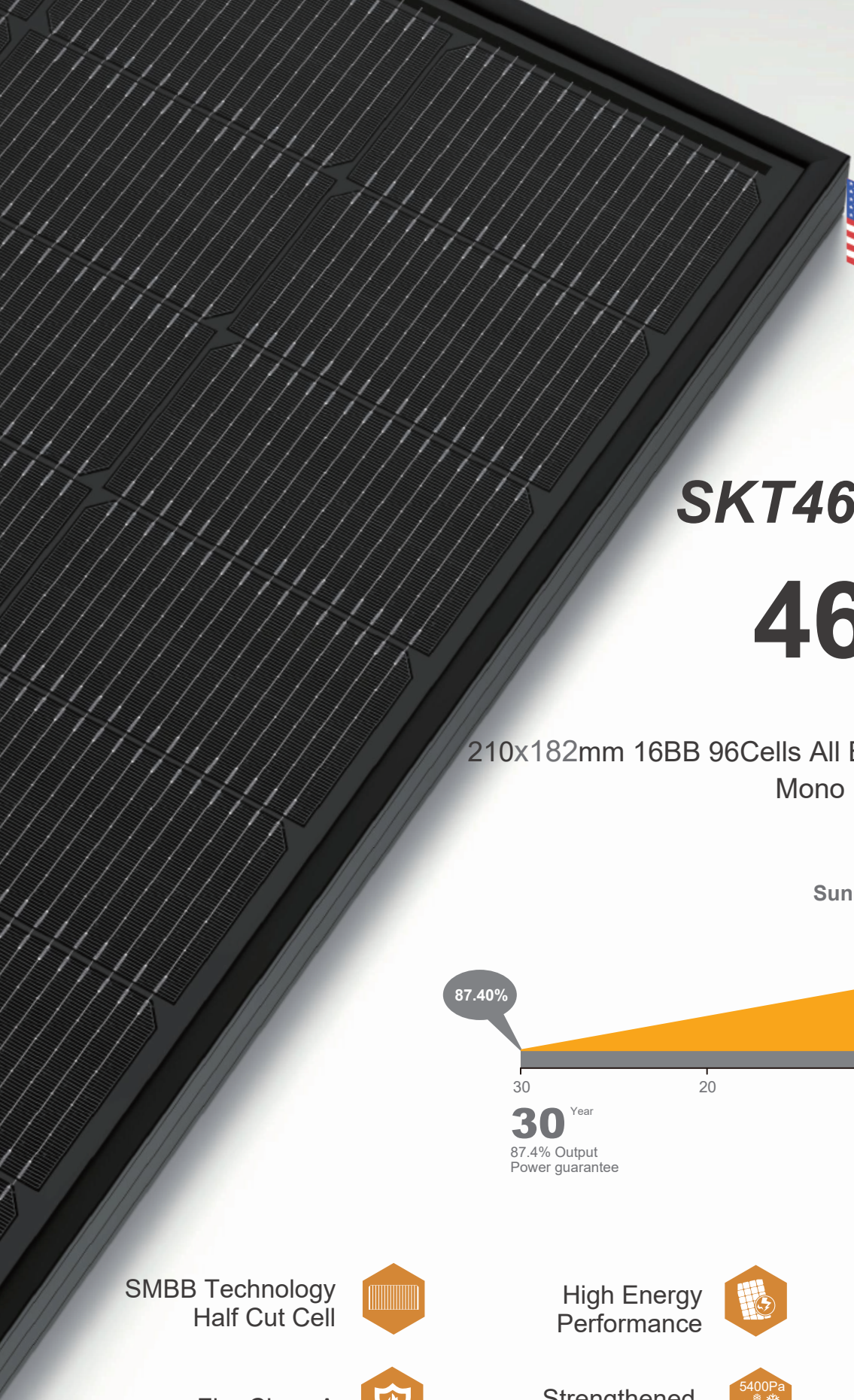


SKT460M10-120D5

460 Watt

210x182mm 16BB 96Cells All Black Double Glass Bifacial
Mono Half Cell PV Module Series

Sunket Linear Warranty

30 Year
87.4% Output
Power guarantee

15 Year
Materials and
workmanship

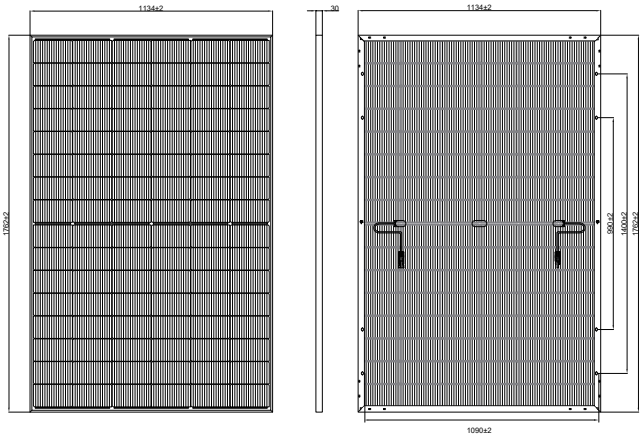
- SMBB Technology Half Cut Cell
- High Energy Performance
- 100% Inspection 30years Guarantee
- Fire Class A
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency

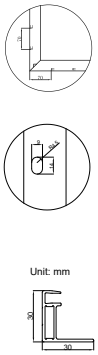
SUNKET - Solar

SUNKET - Solar

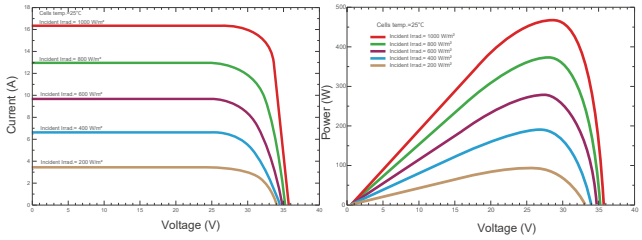
SKT460M10-120D5

210x182mm 16BB 96Cells All Black Double Glass Bifacial
Mono Half Cell PV Module Series





Current-Voltage & Power-Voltage Curves (SKT460M10-120D5)



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

Electrical Characteristics (STC/NMOT)

Module Type	SKT460M10-120D5	
Test Conditions	STC	NMOT
Maximum Power- Pmax(W)	460	347.4
Open Circuit Voltage - Voc(V)	35.97	34.30
Short- Circuit Current - Isc(A)	16.23	13.01
Voltage at Pmax -Vmp(V)	29.89	28.15
Current at Pmax - Imp(A)	15.39	12.34
Module Efficiency -ηm(%)	23.02	/
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　　NMOT： Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	24.5kg
Solar Cells	16BB 182mm (2x48pcs)
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

*Take SKT460M10-120D5 as an example.

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	483.0	506.0	552.0
Open Circuit Voltage - Voc(V)	35.97	35.97	35.97
Short- Circuit Current - Isc(A)	16.89	17.69	19.29
Voltage at Pmax -Vmp(V)	29.89	29.89	29.89
Current at Pmax - Imp(A)	16.16	16.93	18.47

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NMOT)	45±2°C

Packing Configuration

Pallet Dimensions	1790x1140x1254mm		
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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