

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

SKT500M12-108D4

500 Watt

210x182mm 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

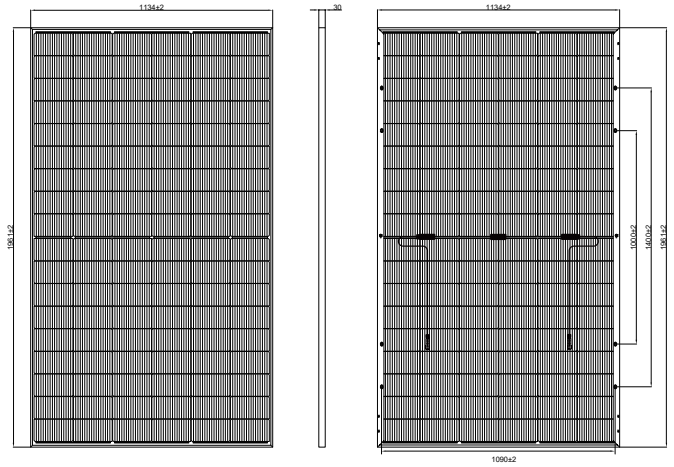
15 Year
Materials and
workmanship

SUNKET® - Solar

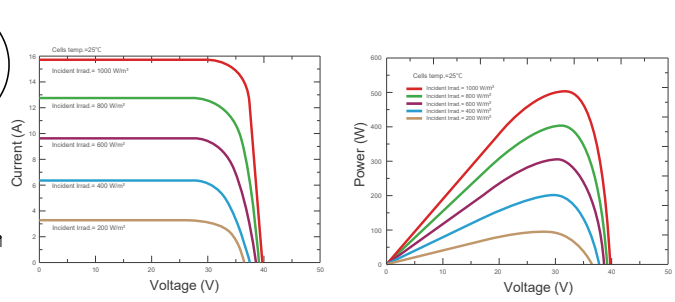
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Current-Voltage & Power-Voltage Curves (SKT500M12-108D4)



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

Electrical Characteristics (STC)

Module Type	SKT500M12-108D4
Front Side	STC
Maximum Power- Pmax(W)	500
Open Circuit Voltage - Voc(V)	39.90
Short- Circuit Current - Isc(A)	15.93
Voltage at Pmax -Vmp(V)	33.18
Current at Pmax - Imp(A)	15.07
Module Efficiency -ηm(%)	22.48
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　　NOCT ： Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1961x1134x30mm
Weight	26.7kg
Solar Cells	N-Type 16BB 182x105mm (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)	536.0	561.0	612.0
Open Circuit Voltage - Voc(V)	40.28	40.28	40.28
Short- Circuit Current - Isc(A)	16.86	17.66	19.26
Voltage at Pmax -Vmp(V)	33.48	33.48	33.48
Current at Pmax - Imp(A)	15.99	16.76	18.28

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(NOCT)	45±2°C

Packing Configuration

	1961x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	24
Pieces per Container	864

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