

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

SKT490~510M12-108D4

490~510 Watt

210x182mm 16BB 108Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty

30 Year
87.4% Output
Power guarantee

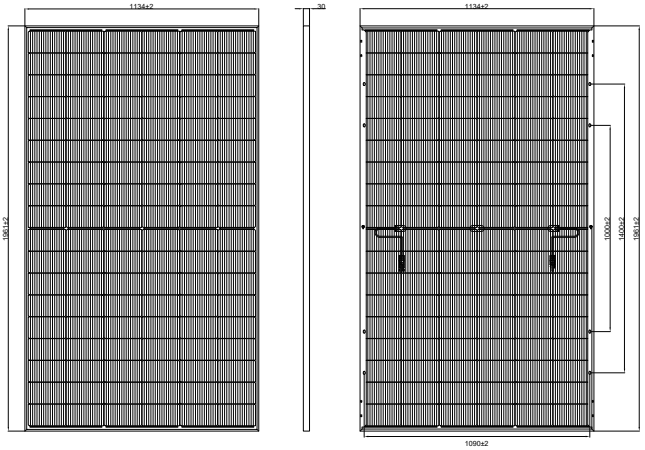
15 Year
Materials and
workmanship

SUNKET® - Solar

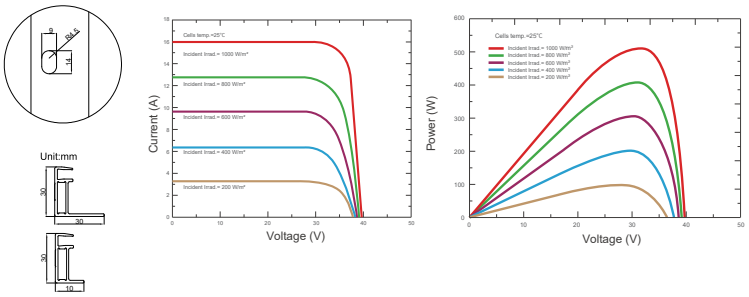
SKT490~510M12-108D4

210x182mm 16BB 108Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

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Current-Voltage & Power-Voltage Curves (SKT510M12-108D4)



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

Electrical Characteristics (STC/NMOT)

Module Type	SKT490M12-108D4		SKT495M12-108D4		SKT500M12-108D4		SKT505M12-108D4		SKT510M12-108D4	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	490	370.0	495	373.8	500	377.5	505	381.3	510	385.1
Open Circuit Voltage - Voc(V)	39.52	37.52	39.71	37.68	39.90	37.84	40.09	38.00	40.28	38.16
Short- Circuit Current - Isc(A)	15.80	12.77	15.87	12.83	15.93	12.89	16.00	12.95	16.05	13.01
Voltage at Pmax -Vmp(V)	32.88	30.76	33.03	30.89	33.18	31.02	33.33	31.15	33.48	31.28
Current at Pmax - Imp(A)	14.90	12.03	14.99	12.10	15.07	12.17	15.15	12.24	15.23	12.31
Module Efficiency -ηm(%)	22.03	/	22.26	/	22.48	/	22.71	/	22.93	/
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
*Measurement tolerance: ±3%　*Power binning up to: +3%

Mechanical Specifications

External Dimensions	1961x1134x30mm
Weight	23.9kg
Solar Cells	N-Type 16BB 182x105mm (2x54pcs)
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 SKT510M12-108D4 as an example.

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 Range	-40~+85°C
Nominal Operating Cell Temperature(NMOT)	45±2°C

Packing Configuration

Pallet Dimensions	1980×1140×1254mm		
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	24 Pallets	22 Pallets	33 Pallets
Pieces per Container	888 Pcs	792 Pcs	1188 Pcs

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