

ULTRA

N TYPE

Fire Class A



High Energy
Performance



Strengthened
Mechanical Load



Advanced Bifacial
Efficiency



100% Inspection
30years Guarantee



SMBB Technology
Half Cut N Type Cell

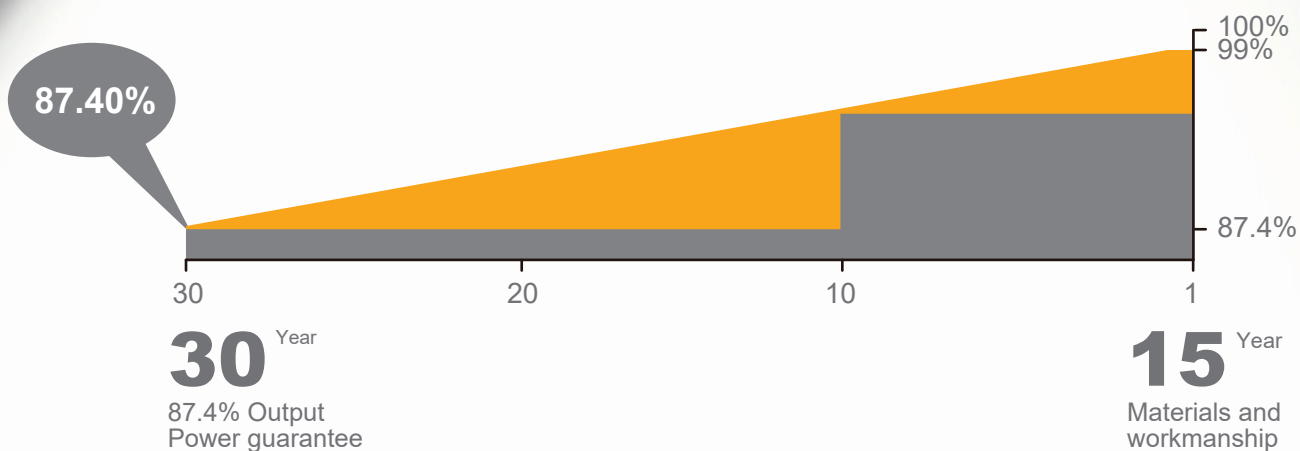


SKT490~510M12-108D4

490~510 Watt

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

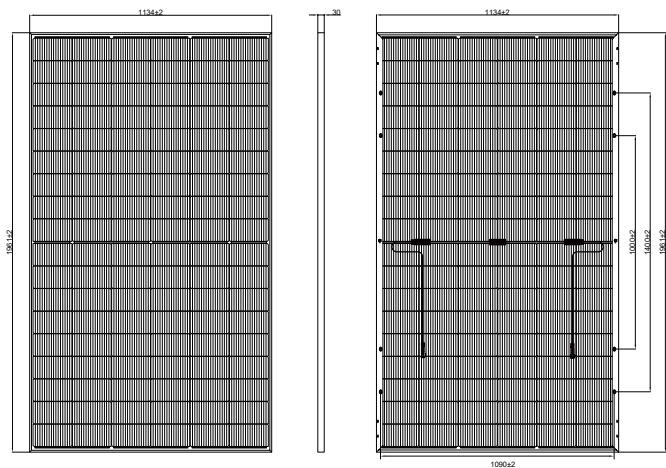
Sunket N Type Linear Warranty



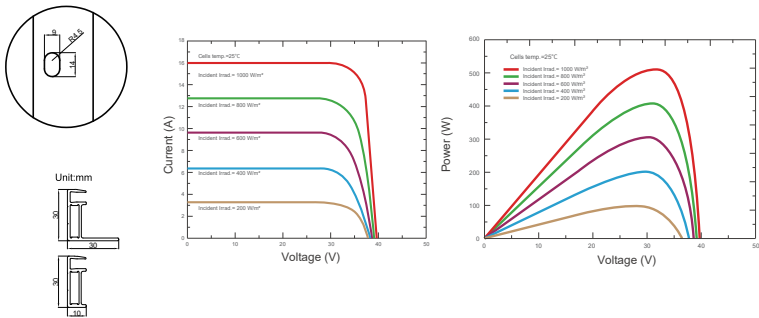
 **SUNKET® - Solar**

SKT490~510M12-108D4

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



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	
Front Side	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

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

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

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

Packing Configuration

Pallet Dimensions	1980x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	24
Pieces per Container	888