

ULTRA  
**N TYPE**

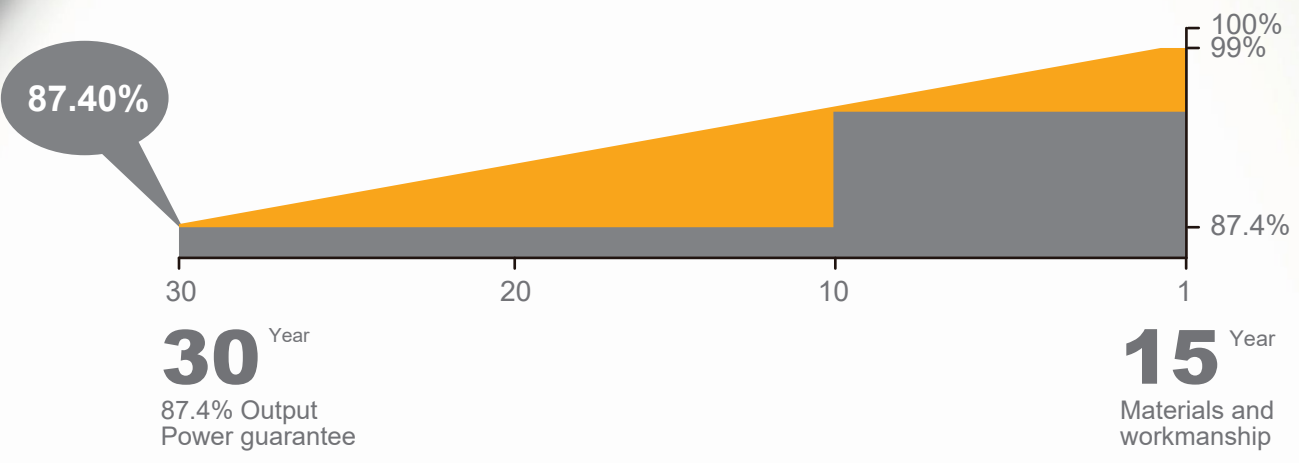
- Fire Class A 
- High Energy Performance 
- Strengthened Mechanical Load 
- Advanced Bifacial Efficiency 
- 100% Inspection 30years Guarantee 
- SMBB Technology Half Cut N Type Cell 

**SKT490~510M12-108D6**

# 490~510 Watt

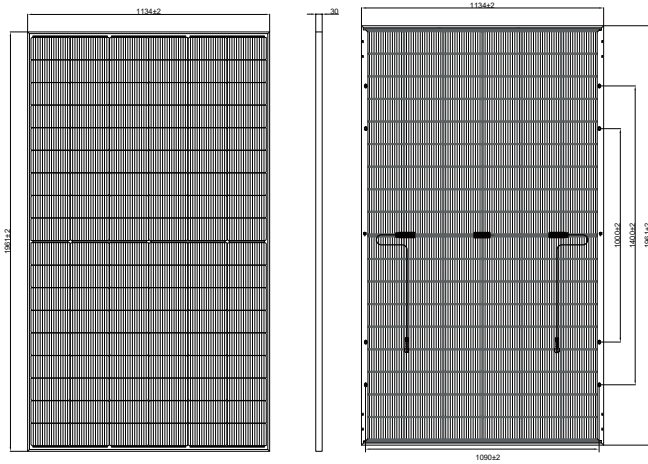
210x182mm 16BB 108Cells All Black Double Glass Bifacial N Type Mono Half Cell PV Module Series

### Sunket N Type Linear Warranty

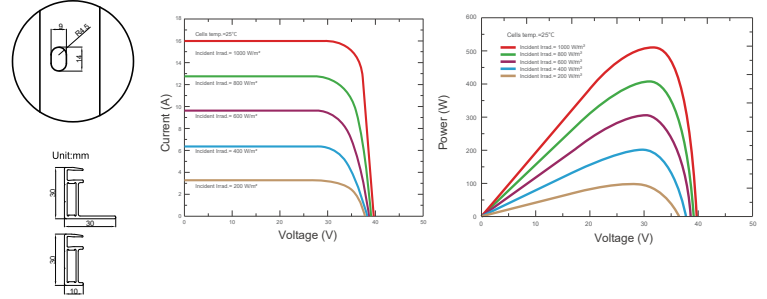


# SKT490~510M12-108D6

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



Current-Voltage & Power-Voltage Curves (SKT510M12-108D6)



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

## Electrical Characteristics (STC/NMOT)

Module Type	SKT490M12-108D6		SKT495M12-108D6		SKT500M12-108D6		SKT505M12-108D6		SKT510M12-108D6	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
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 Mass 1.5, 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

## 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

## Bifacial Output Rear Side Power Gain

\*Take SKT510M12-108D6 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

## Packing Configuration

Pallet Dimensions	1980x1140x1254mm		
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	34 Pallets
Pieces per Container	888 Pcs	792 Pcs	1224Pcs