

ULTRA

N TYPE

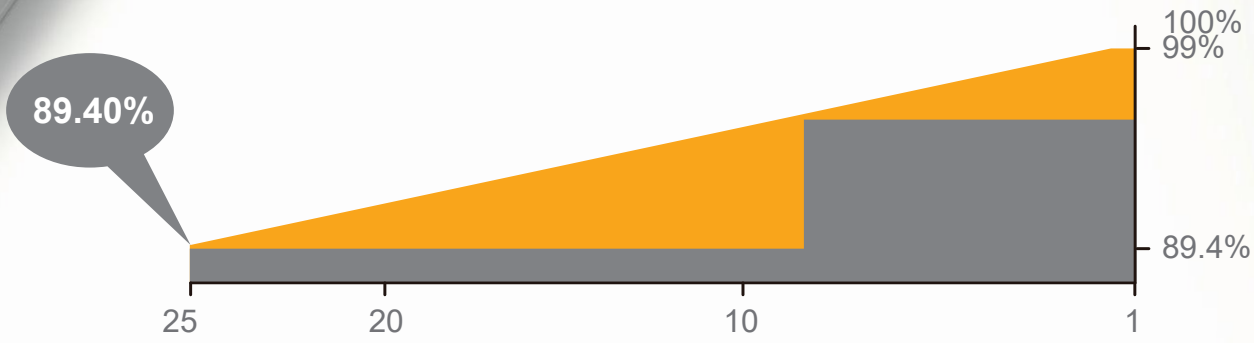
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Anti PID
- 100% Inspection 25years Guarantee
- SMBB Technology Half Cut N Type Cell

SKT490~510M12-108D5

490~510 Watt

210x182mm 16BB 108Cells
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty



25 Year
89.4% Output Power guarantee

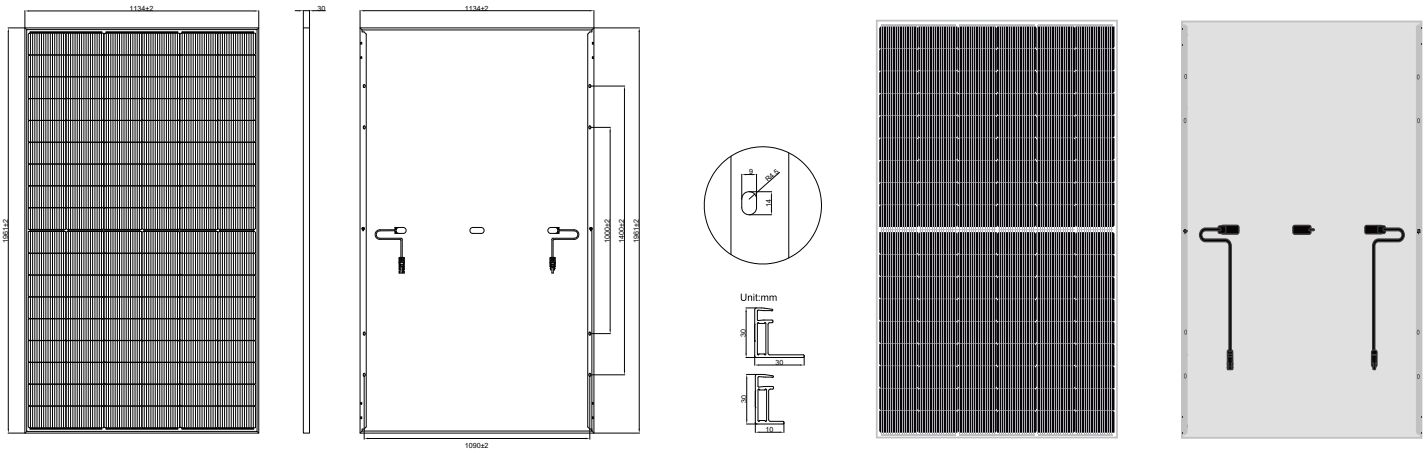
12 Year
Materials and workmanship

SUNKET® - Solar

SKT490~510M12-108D5

210x182mm 16BB 108Cells
N Type Mono Half Cell PV Module Series

SUNKET® - Solar



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

Electrical Characteristics (STC/NMOT)

Module Type	SKT490M12-108D5		SKT495M12-108D5		SKT500M12-108D5		SKT505M12-108D5		SKT510M12-108D5	
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)	25A									

*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	1961×1134×30mm
Weight	23.4kg
Solar Cells	N-Type 16BB 182×105mm (2×54pcs)
Front Glass	AR Coated 3.2 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

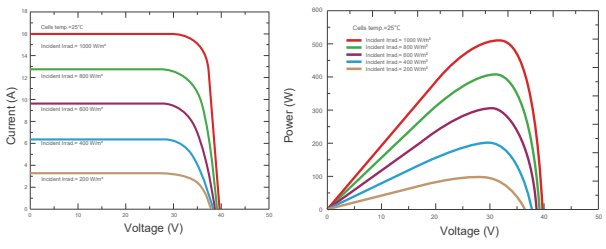
Packing Configuration

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	34 Pallets
Pieces per Container	888 Pcs	792 Pcs	1224 Pcs

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

Current-Voltage & Power-Voltage Curves (SKT510M12-108D5)



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