

ULTRA
HJT

- Anti PID
- Excellent Low-light Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection Guarantee Reliability (100% TEST MES)
- SMBB-HJT Half Cut

SKT440~460M12-96D4

440~460 Watt

210x182mm 18BB 96Cells Double Glass Bifacial
HJT Mono Half Cell PV Module Series

Sunket Linear Warranty

30 Year
88.0% Output
Power guarantee

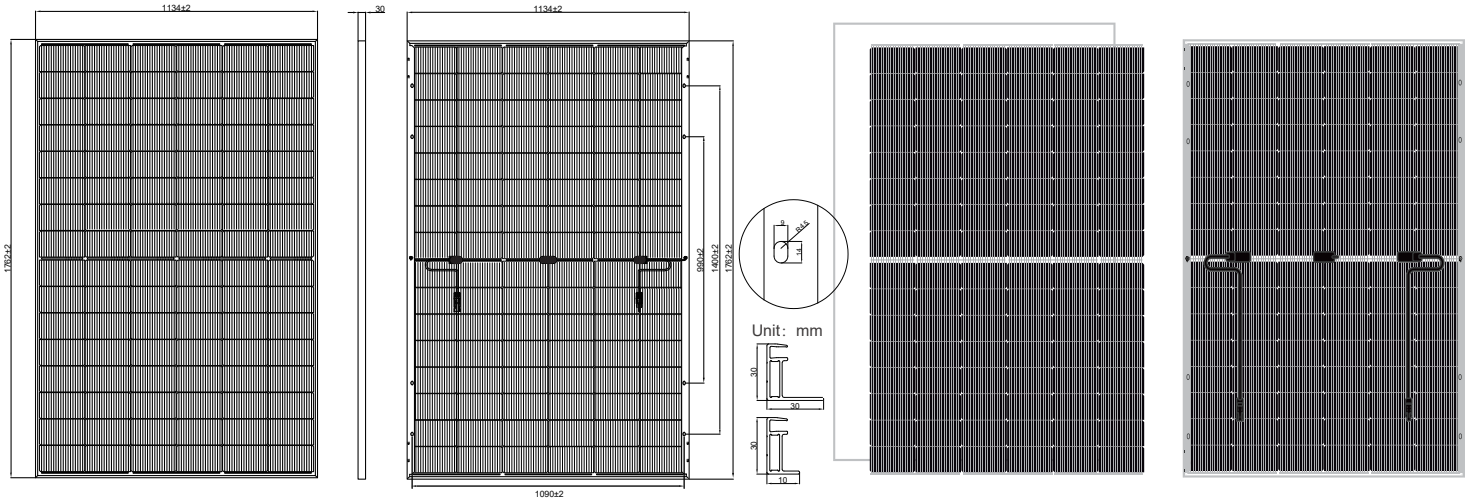
15 Year
Materials and
workmanship

SUNKET - Solar

SKT440~460M12-96D4

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SUNKET - Solar



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

Electrical Characteristics (STC/BSTC)

Module Type	SKT440M12-96D4		SKT445M12-96D4		SKT450M12-96D4		SKT455M12-96D4		SKT460M12-96D4	
Test Conditions	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Maximum Power- Pmax(W)	440	490	445	495	450	500	455	505	460	510
Open Circuit Voltage - Voc(V)	36.68	36.68	36.95	36.95	37.22	37.22	37.47	37.47	37.72	37.72
Short- Circuit Current - Isc(A)	15.26	17.01	15.30	17.05	15.36	17.12	15.41	17.17	15.45	17.22
Voltage at Pmax -Vmp(V)	30.43	30.43	30.66	30.66	30.88	30.88	31.10	31.10	31.30	31.30
Current at Pmax - Imp(A)	14.47	16.11	14.53	16.15	14.60	16.19	14.66	16.24	14.72	16.30
Module Efficiency -ηm(%)	22.02	/	22.27	/	22.52	/	22.77	/	23.02	/
Power Tolerance(W)	(0，+4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	30A									

*STC ： Irradiance 1000W/m²， Cell Temperature 25℃， Air Mass 1.5
*BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, Ambient Temperature 25℃.
*Measurement tolerance: ±3%　*Power binning up to: +3%

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	21.5kg
Solar Cells	HJT 182x105mm (2x48pcs)
Glass	AR Coated 1.6+1.6mm 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	1790×1140×1254mm		
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	26 Pallets	24 Pallets	36 Pallets
Pieces per Container	962 Pcs	864 Pcs	1296 Pcs

Temperature Characteristics

Pmax Temperature Coefficient	-0.260%/℃
Voc Temperature Coefficient	-0.240%/℃
Isc Temperature Coefficient	+0.040%/℃
Operating Temperature Range	-40~+85℃
Nominal Operating Cell Temperature(BSTC)	44±2℃

Current-Voltage & Power-Voltage Curves (SKT460M12-96D4)

