

ULTRA TOPCon

- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut TOPCon Cell

SKT600-620M12-132D4

600-620 Watt

210x182mm 16BB 132Cells All Black Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

Sunket TOPCon Linear Warranty

30 Year
87.4% Output
Power guarantee

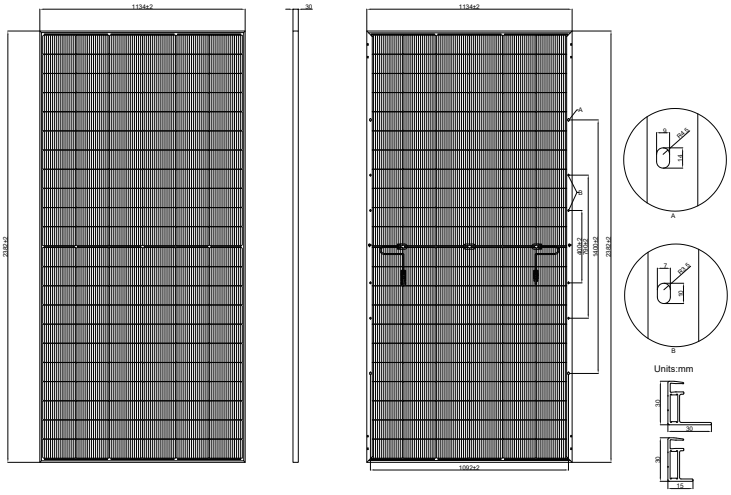
15 Year
Materials and
workmanship

SUNKET® - Solar

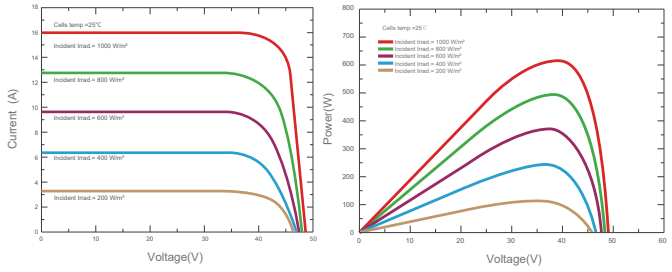
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Current-Voltage & Power-Voltage Curves (SKT620M12-132D4)



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

Electrical Characteristics (STC/NMOT)

Module Type	SKT600M10-132D4		SKT605M10-132D4		SKT610M10-132D4		SKT615M10-132D4		SKT620M10-132D4	
Front Side	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	600	453.1	605	456.9	610	460.7	615	464.4	620	468.2
Open Circuit Voltage - Voc(V)	48.30	45.86	48.50	46.05	48.70	46.24	48.90	46.43	49.10	46.62
Short- Circuit Current - Isc(A)	15.83	12.79	15.89	12.83	15.95	12.88	16.01	12.93	16.07	12.98
Voltage at Pmax -Vmp(V)	40.18	37.60	40.33	37.76	40.48	37.92	40.62	38.10	40.76	38.25
Current at Pmax - Imp(A)	14.93	12.05	15.00	12.10	15.07	12.15	15.14	12.19	15.21	12.24
Module Efficiency -ηm(%)	22.20	/	22.40	/	22.60	/	22.80	/	23.00	/
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℃, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2382x1134x30mm
Weight	32.4kg
Solar Cells	N-Type 16BB 182x105mm (2x66pcs)
Front Glass	AR Coated 2+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

Bifacial Output Rear Side Power Gain

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	651.0	682.0	744.0
Open Circuit Voltage - Voc(V)	49.10	49.10	49.10
Short- Circuit Current - Isc(A)	16.87	17.67	19.28
Voltage at Pmax -Vmp(V)	40.76	40.76	40.76
Current at Pmax - Imp(A)	15.97	16.73	18.25

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

Packing Configuration

	2382x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	20
Pieces per Container	720

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