

ULTRA
N TYPE

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

SKT545~565M12-120D4

545~565 Watt

210x182mm 16BB 120Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty

30 Year
87.4% Output
Power guarantee

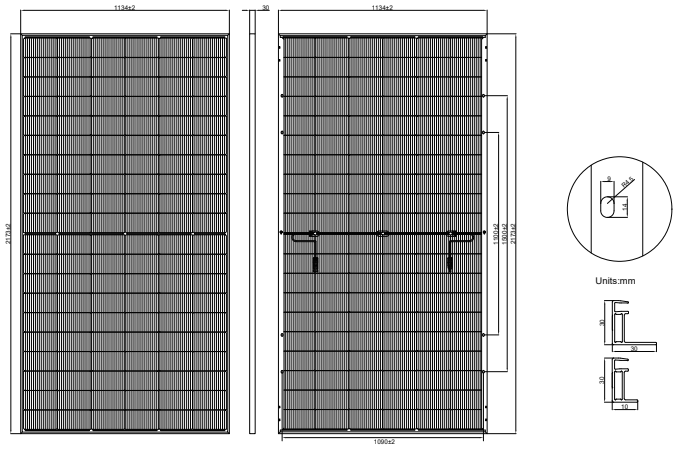
15 Year
Materials and
workmanship

SUNKET® - Solar

SKT545~565M12-120D4

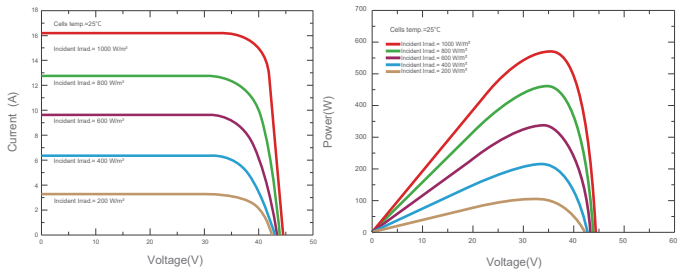
210x182mm 16BB 120Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

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

Current-Voltage & Power-Voltage Curves (SKT565M12-120D4)



Electrical Characteristics (STC/NMOT)

Module Type	SKT545M12-120D4		SKT550M12-120D4		SKT555M12-120D4		SKT560M12-120D4		SKT565M12-120D4	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	545	411.6	550	415.4	555	419.2	560	422.9	565	426.7
Open Circuit Voltage - Voc(V)	43.91	41.69	44.09	41.86	44.27	42.04	44.45	42.21	44.64	42.38
Short- Circuit Current - Isc(A)	15.82	12.78	15.88	12.83	15.94	12.89	16.02	12.95	16.09	13.01
Voltage at Pmax -Vmp(V)	36.53	34.18	36.66	34.33	36.80	34.47	36.93	34.64	37.05	34.77
Current at Pmax - Imp(A)	14.93	12.04	15.00	12.10	15.07	12.16	15.16	12.21	15.25	12.27
Module Efficiency -ηm(%)	22.14	/	22.32	/	22.50	/	22.73	/	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
*Measurement tolerance: ±3%　*Power binning up to: +3%

Mechanical Specifications

External Dimensions	2173x1134x30mm
Weight	26.5kg
Solar Cells	N-Type 16BB 182x105mm (2x60pcs)
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

Bifacial Output Rear Side Power Gain

*Take SKT565M12-120D4 as an example.

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	593.0	622.0	678.0
Open Circuit Voltage - Voc(V)	44.64	44.64	44.64
Short- Circuit Current - Isc(A)	16.90	17.70	19.31
Voltage at Pmax -Vmp(V)	37.05	37.05	37.05
Current at Pmax - Imp(A)	16.01	16.77	18.30

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

Packing Configuration

Pallet Dimensions	2203x1140x1254mm		
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	20 Pallets	20 Pallets	30 Pallets
Pieces per Container	740 Pcs	720 Pcs	1080 Pcs

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