

ULTRA TOPCon

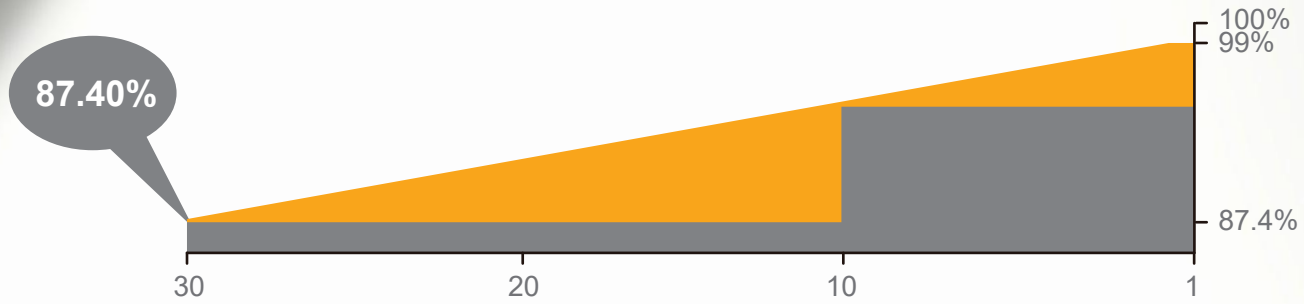
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut TOPCon Cell

SKT545~565M12-120D5

545~565 Watt

210x182mm 16BB 120Cells Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

Sunket TOPCon Linear Warranty



30 Year
87.4% Output
Power guarantee

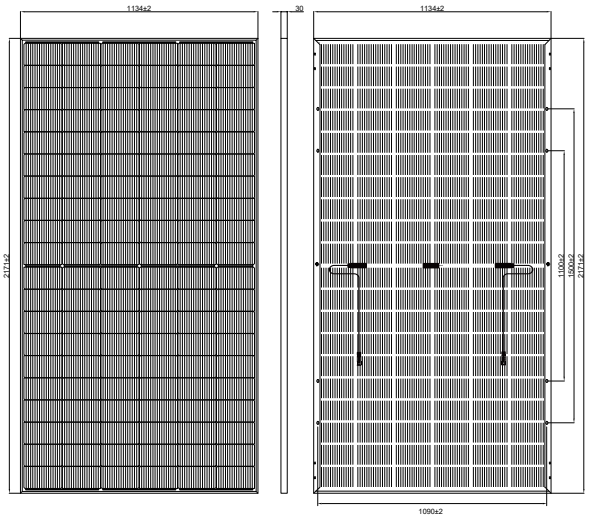
15 Year
Materials and
workmanship

SUNKET® - Solar

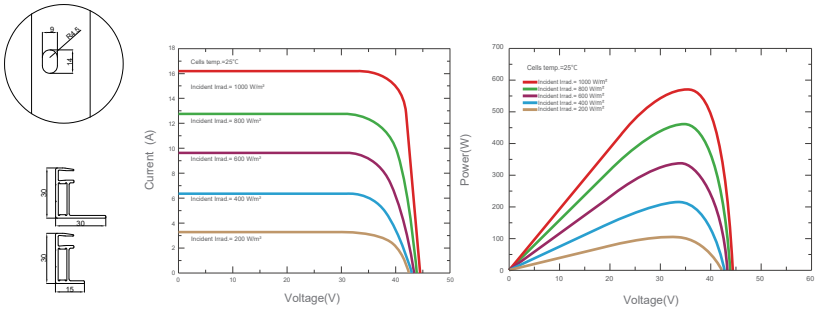
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210x182mm 16BB 120Cells Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

SUNKET® - Solar



Current-Voltage & Power-Voltage Curves (SKT565M12-120D5)



The above drawing is a graphical representation of the product.

Electrical Characteristics (STC/NMOT)

Module Type	SKT545M10-120D5		SKT550M10-120D5		SKT555M10-120D5		SKT560M10-120D5		SKT565M10-120D5	
Front Side	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℃, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2173x1134x30mm
Weight	29.5kg
Solar Cells	N-Type 16BB 182x105mm (2x60pcs)
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)	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	-40~+85°C
Nominal Operating Cell Temperature(NMOT)	45±2°C

Packing Configuration

	2173x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	20
Pieces per Container	720

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