



TOPCON

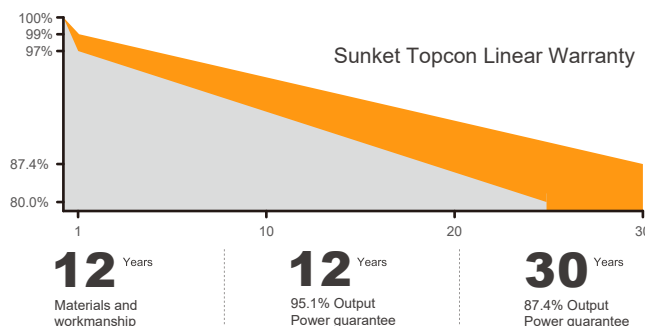
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Learn more about the
production of 182mm
Mono PV Solar Module

SKT460~480M10-120D4 460~480 Watt

182mm 16BB 120Cells Double Glass Bifacial TOPCon
Mono Half Cell PV-Module Series



SMBB Technology
Half Cut TOPCon Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

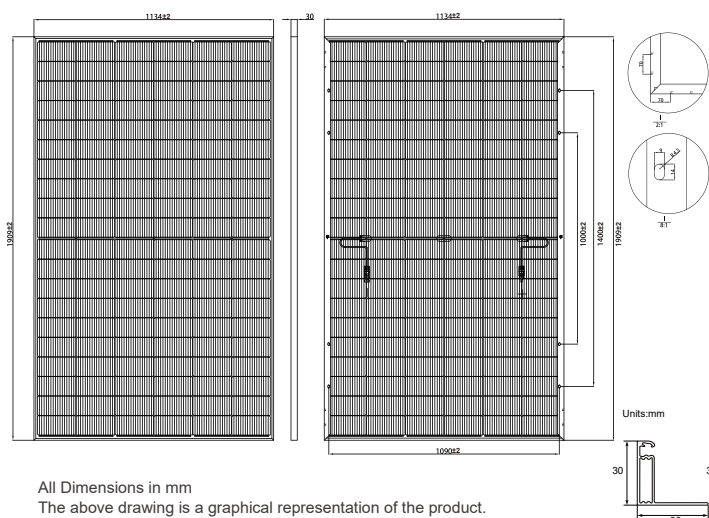
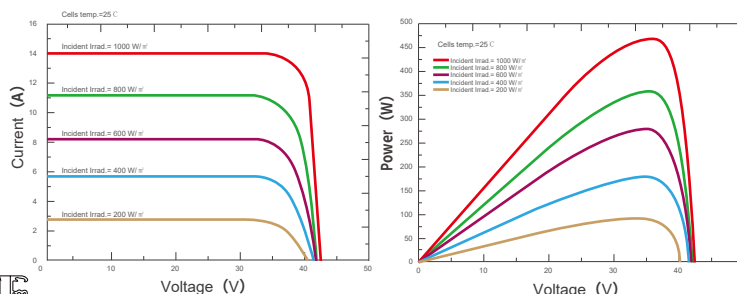


5400Pa
Strengthened
Mechanical Load



Advanced Bifacial
Efficiency




Current-Voltage & Power-Voltage Curves (SKT480 M10-120D4)


Electrical Characteristics (STC/NOCT)

Module Type	SKT460M10-120D4		SKT465M10-120D4		SKT470M10-120D4		SKT475M10-120D4		SKT480M10-120D4	
Front Side	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	460	346	465	350	470	353	475	357	480	361
Open Circuit Voltage - Voc(V)	42.05	39.94	42.22	40.10	42.38	40.25	42.54	40.41	42.71	40.57
Short- Circuit Current - Isc(A)	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49	14.31	11.55
Voltage at Pmax -Vmp(V)	34.72	33.60	34.89	32.77	35.05	32.94	35.21	33.10	35.38	33.27
Current at Pmax - Imp(A)	13.25	10.61	13.33	10.67	13.41	10.73	13.49	10.79	13.57	10.85
Module Efficiency -ηm(%)	21.32	/	21.55	/	21.78	/	22.01	/	22.24	/
Power Tolerance(W)	(0, +4.99W)									
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

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1909x1134x30mm
Weight	25.9kg
Solar Cells	N-Type 16BB 182mm (2x60pcs)
Front Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

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(NOCT)	45±2°C

Bifacial Output Rear Side Power Gain

Power Gain	5%	15%	25%
Maximum Power- Pmax(W)	493.5	540.5	587.5
Open Circuit Voltage - Voc(V)	42.52	42.54	42.55
Short- Circuit Current - Isc(A)	14.81	16.21	17.61
Voltage at Pmax -Vmp(V)	35.19	35.21	35.22
Current at Pmax - Imp(A)	14.03	15.35	16.68

Packing Configuration

	1909x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	5	24
Pieces per Container	216	864