



TOPCON

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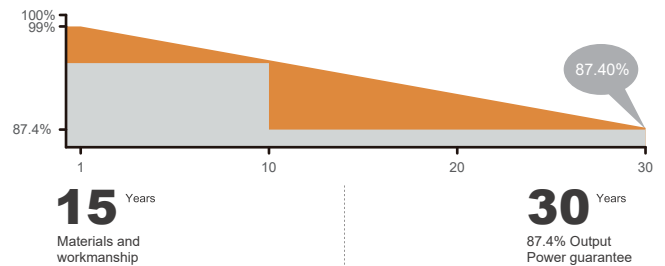


Learn more about the production of 182mm Mono PV Module

SKT460~480M10-120D3 460~480 Watt

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

Sunket Topcon Linear Warranty



SMBB Technology
Half Cut TOPCon Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

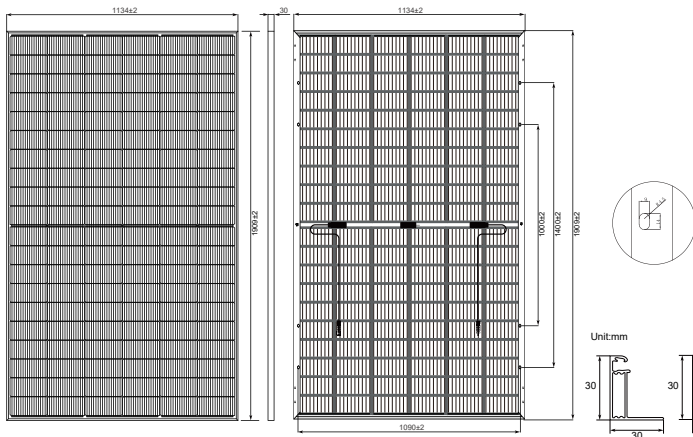


5400Pa
Strengthened
Mechanical Load



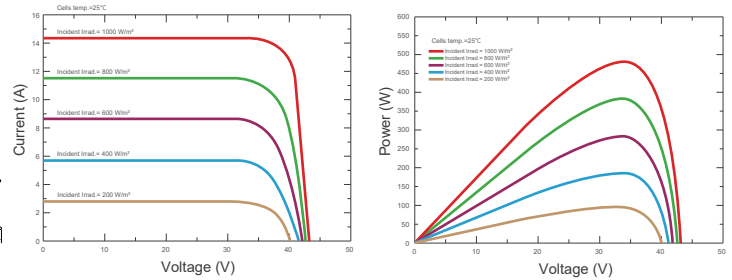
Advanced Bifacial
Efficiency





All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.

Current-Voltage & Power-Voltage Curves (SKT480M10-120D3)



Electrical Characteristics (STC/NOCT)

Module Type	SKT460M10-120D3		SKT465M10-120D3		SKT470M10-120D3		SKT475M10-120D3		SKT480M10-120D3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Front Side										
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)	34.73	33.60	34.89	32.78	35.06	32.93	35.22	33.09	35.38	33.28
Current at Pmax - Imp(A)	13.25	10.61	13.33	10.68	13.41	10.72	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)	30A									

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1909x1134x30mm
Weight	24.8kg
Solar Cells	N-Type 16BB 182mm (2x60pcs)
Front Glass	AR Coated 1.6+1.6 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)	35.20	35.21	35.22
Current at Pmax - Imp(A)	14.02	15.35	16.69

Packing Configuration

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