



TOPCON

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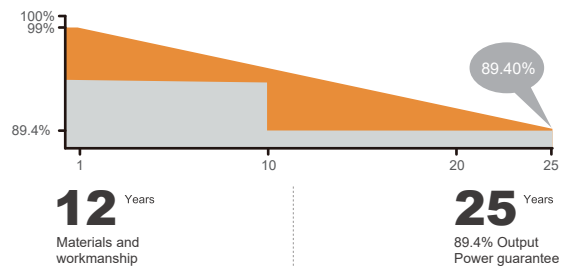


Learn more about the production of 182mm Mono PV Module

SKT410~430M10-108S3 410~430 Watt

182mm 16BB 108Cells All Black Bifacial
TOPCon Mono Half Cell PV Module Series

Sunket TOPCon Linear Warranty



SMBB Technology
Half Cut TOPCon Cell



High Energy
Performance



100% Inspection
25years Guarantee



Fire Class A

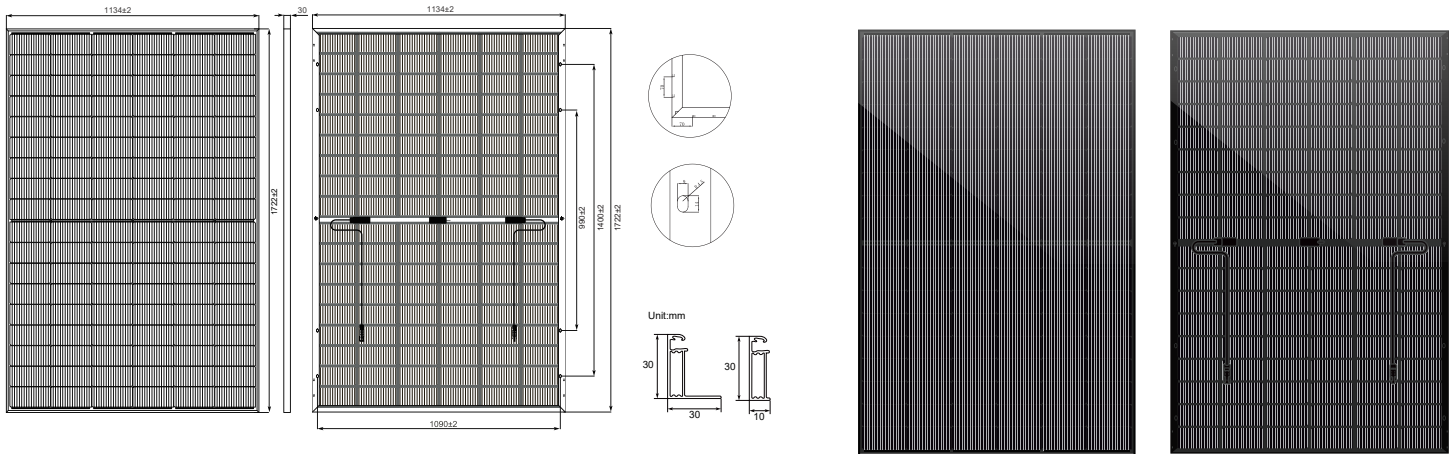


5400Pa
Strengthened
Mechanical Load



Advanced Bifacial
Efficiency





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

Electrical Characteristics (STC/NOCT)

Module Type	SKT410M10-108S3		SKT415M10-108S3		SKT420M10-108S3		SKT425M10-108S3		SKT430M10-108S3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Front Side	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	410	313.7	415	317.3	420	321.1	425	325.0	430	328.7
Open Circuit Voltage - Voc(V)	38.20	36.30	38.33	36.40	38.46	36.50	38.59	36.60	38.72	36.80
Short- Circuit Current - Isc(A)	13.93	11.23	14.01	11.30	14.09	11.36	14.17	11.42	14.25	11.49
Voltage at Pmax -Vmp(V)	31.59	29.60	31.78	29.71	31.96	29.90	32.15	30.01	32.33	30.19
Current at Pmax - Imp(A)	12.98	10.60	13.06	10.68	13.14	10.74	13.22	10.83	13.30	10.89
Module Efficiency -ηm(%)	21.00	/	21.30	/	21.50	/	21.80	/	22.00	/
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 Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5kg
Solar Cells	N-Type 16BB 182mm (2x54pcs)
Front Glass	AR Coated 3.2 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

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

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

Current-Voltage & Power-Voltage Curves (SKT430M10-108S3)

