



**TOPCON**

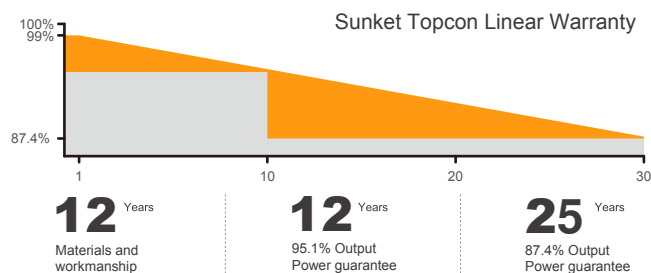
SCAN CODE TO WATCH VIDEO



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

# SKT410~430M10 410~430 Watt

182mm 16BB 108Cells Topcon  
Mono Half Cell PV-Module Series



SMBB Technology  
Half Cut Topcon Cell



High Energy  
Performance



100% Inspection  
30years Guarantee



Fire Class A

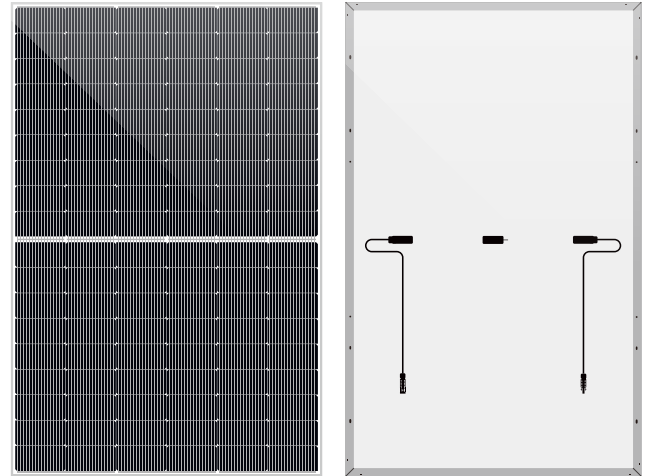
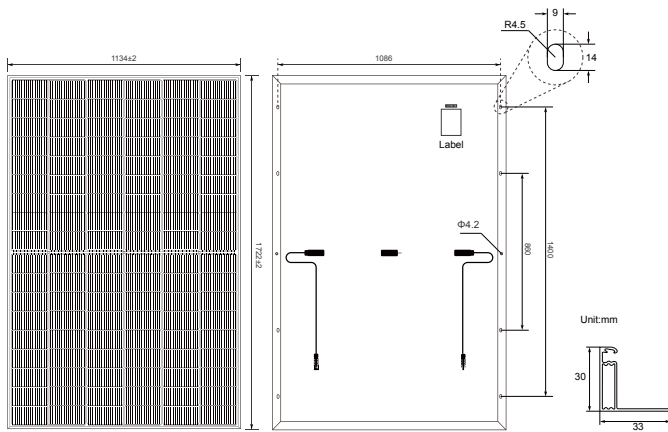


5400Pa  
Strengthened  
Mechanical Load



Advanced Bifacial  
Efficiency





Transparent backsheet is available.  
Bifacial Solar PV Modules can be customized.

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		SKT415M10		SKT420M10		SKT425M10		SKT430M10	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	410	308	415	312	420	316	425	320	430	323
Open Circuit Voltage - Voc(V)	37.73	35.84	37.92	36.02	38.11	36.20	38.30	36.38	38.49	36.56
Short- Circuit Current - Isc(A)	13.91	11.23	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49
Voltage at Pmax -Vmp(V)	31.13	29.06	31.32	29.21	31.51	29.34	31.70	29.50	31.88	29.63
Current at Pmax - Imp(A)	13.17	10.61	13.25	10.68	13.33	10.76	13.41	10.83	13.49	10.91
Module Efficiency -ηm(%)	21.00	/	21.25	/	21.51	/	21.76	/	22.02	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	25A									

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	22g
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , 50cm (+), 50cm (-), 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	-0.350%/ C
Voc Temperature Coefficient	-0.275%/ 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)

