

SCAN CODE TO WATCH VIDEO

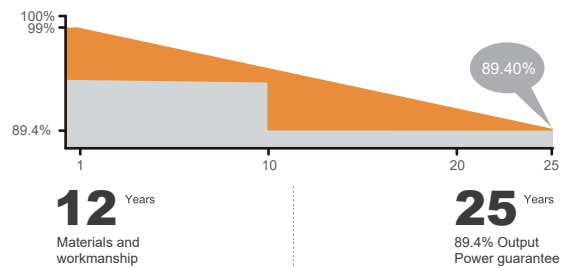


Learn more about the production of 182mm Mono PV Module

SKT415~435M10-108S1 415~435 Watt

182mm 16BB 108Cells
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

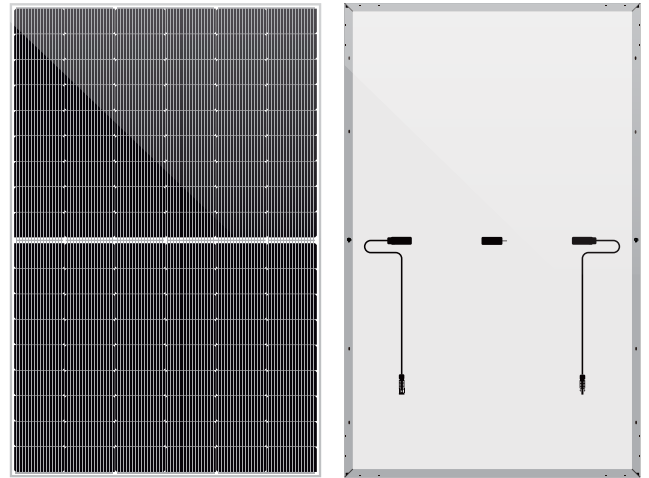
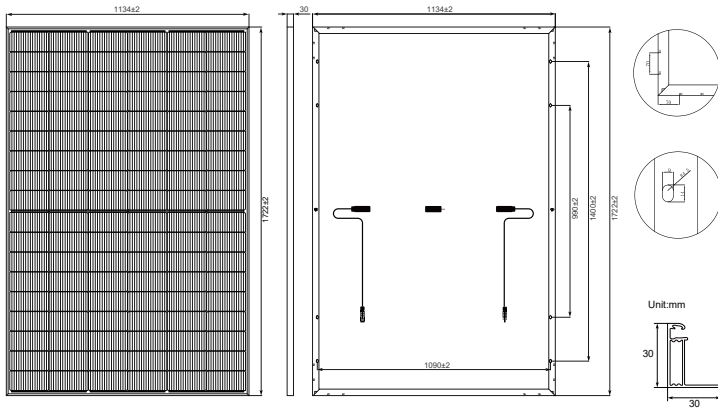


5400Pa
Strengthened
Mechanical Load



Anti PID





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

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

Electrical Characteristics (STC/NOCT)

Module Type	SKT415M10-108S1		SKT420M10-108S1		SKT425M10-108S1		SKT430M10-108S1		SKT435M10-108S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	415	315.3	420	319.1	425	322.8	430	326.5	435	330.2
Open Circuit Voltage - Voc(V)	37.92	35.90	38.11	36.10	38.30	36.20	38.49	36.40	38.68	36.50
Short- Circuit Current - Isc(A)	13.99	11.28	14.07	11.34	14.15	11.41	14.23	11.47	14.31	11.53
Voltage at Pmax -Vmp(V)	31.33	29.50	31.52	29.71	31.71	29.89	31.89	30.10	32.08	30.30
Current at Pmax - Imp(A)	13.25	10.69	13.33	10.74	13.41	10.80	13.49	10.85	13.56	10.90
Module Efficiency -ηm(%)	21.30	/	21.50	/	21.80	/	22.00	/	22.27	/
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 Mass1.5, Wind Speed 1m/s

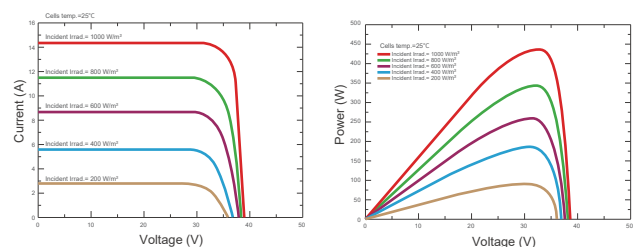
Mechanical Specifications

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

Current-Voltage & Power-Voltage Curves (SKT435M10-108S1)



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