

SCAN CODE TO WATCH VIDEO

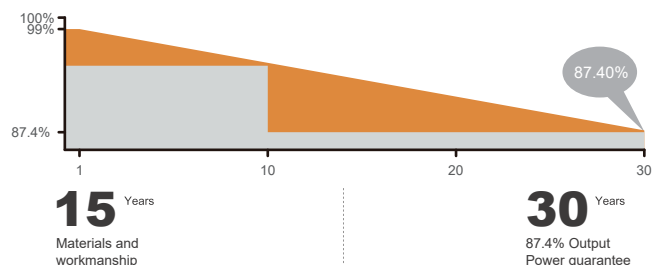


Learn more about the production of 182mm Mono PV Module

# SKT415~435M10-108D4 415~435 Watt

182mm 16BB 108Cells 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

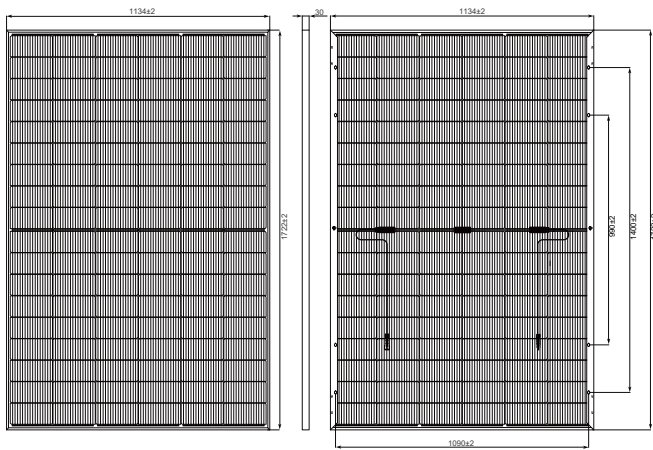


5400Pa  
Strengthened  
Mechanical Load

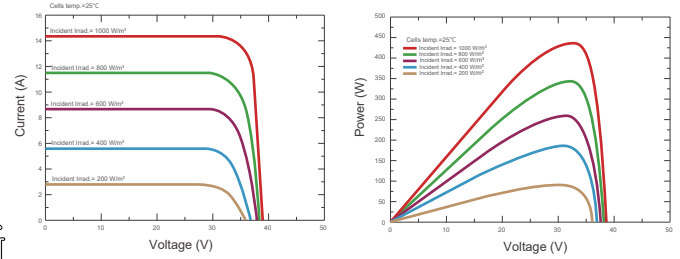


Advanced Bifacial  
Efficiency





## Current-Voltage & Power-Voltage Curves (SKT435M10-108D4)



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	SKT415M10-108D4		SKT420M10-108D4		SKT425M10-108D4		SKT430M10-108D4		SKT435M10-108D4	
	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)	30A									

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 Mass1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	23.4kg
Solar Cells	N-Type 16BB 182mm (2x54pcs)
Front Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , 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	10%	15%	20%	25%	30%
Maximum Power- Pmax(W)	473.0	494.5	516.0	537.5	554.0
Open Circuit Voltage - Voc(V)	38.60	38.70	38.80	38.80	38.90
Short- Circuit Current - Isc(A)	15.70	16.44	17.18	17.93	18.50
Voltage at Pmax -Vmp(V)	31.70	31.60	31.60	31.60	31.50
Current at Pmax - Imp(A)	14.93	15.65	16.33	17.01	17.59

## Packing Configuration

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