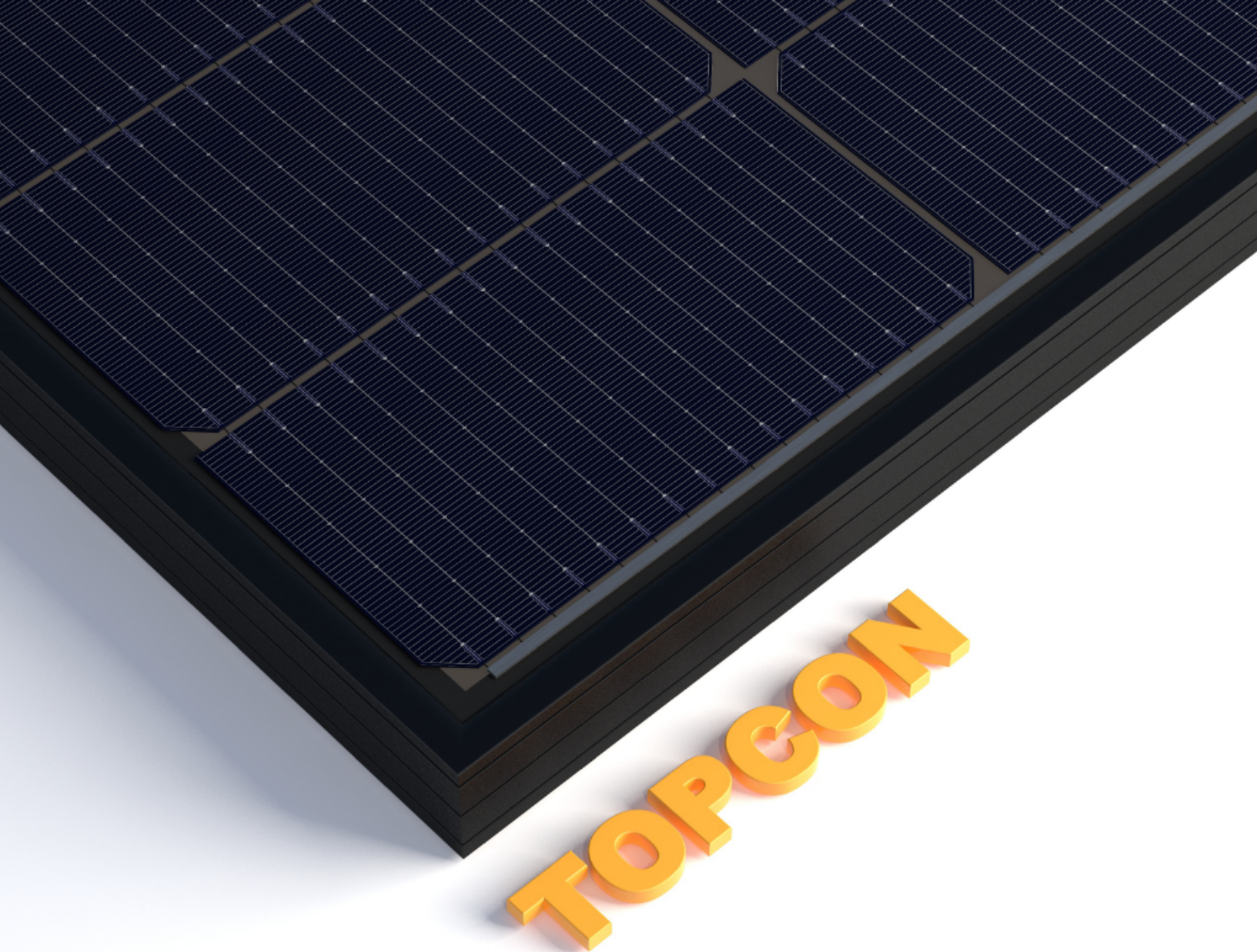
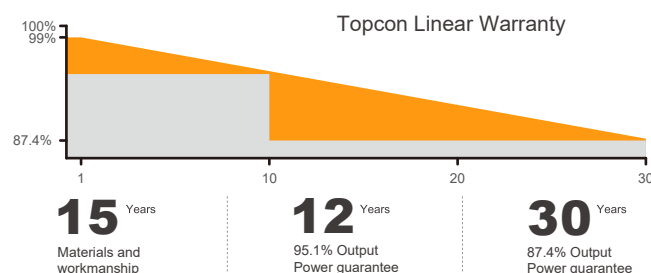




SKT410~430M10

410~430 Watt

182mm 16BB 108Cells Bifacial Black Frame 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

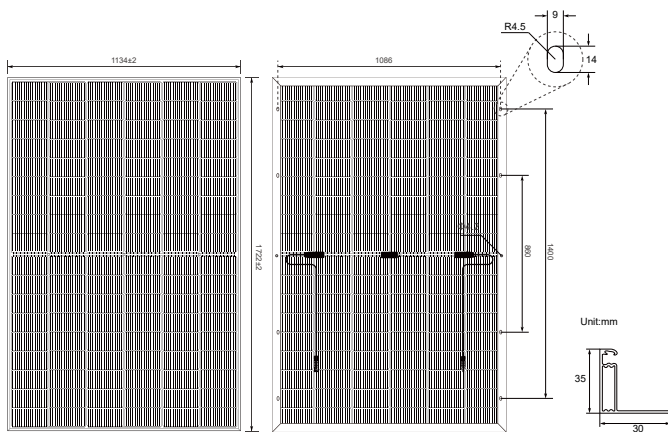


Advanced Bifacial
Efficiency

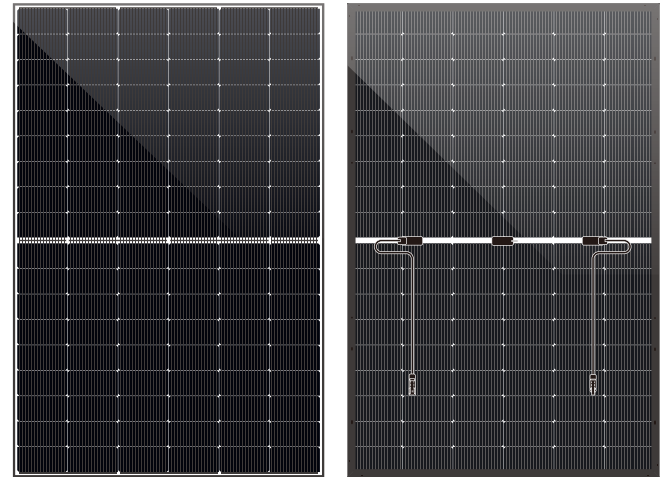


SKT410~430M10

182mm 108Cells Solar PV Module



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



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

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/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	1722x1134x35mm
Weight	22.4kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1m (+), 1m (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

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

Packing Configuration

	1722x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	6	26
Pieces per Container	186	806

Current-Voltage & Power-Voltage Curves (SKT430M10)

