

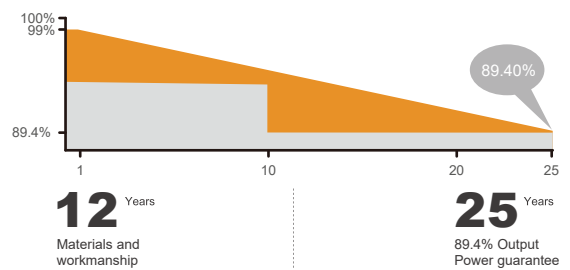


TOPCON

SKT545~580M10-144S1 545~580 Watt

182mm 16BB 144Cells 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

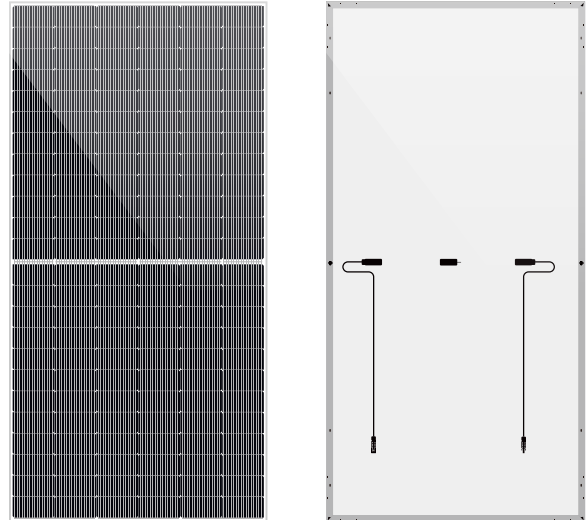
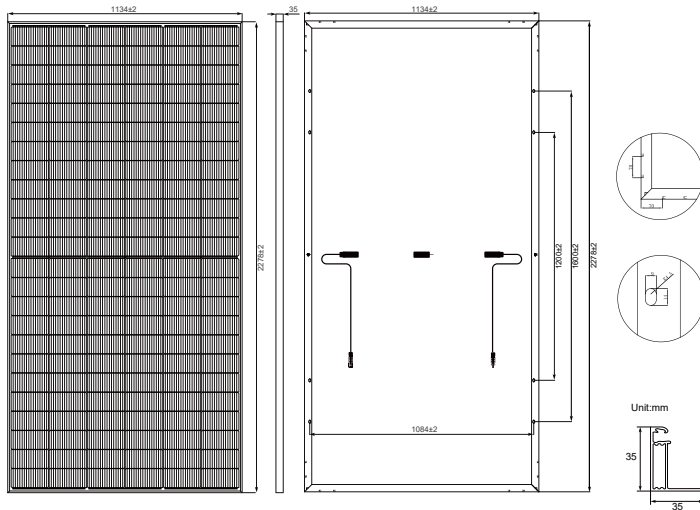


5400Pa
Strengthened
Mechanical Load



Anti PID





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	SKT545M10-144S1		SKT550M10-144S1		SKT555M10-144S1		SKT560M10-144S1		SKT565M10-144S1		SKT570M10-144S1		SKT575M10-144S1		SKT580M10-144S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	545	408	550	412	555	416	560	421	565	425	570	429	575	432	580	436
Open Circuit Voltage - Voc(V)	50.04	47.53	50.18	47.66	50.32	47.79	50.67	48.13	50.87	48.32	51.07	48.51	51.27	48.70	51.47	48.89
Short- Circuit Current - Isc(A)	13.90	11.16	13.98	11.25	14.06	11.32	14.13	11.41	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.60
Voltage at Pmax -Vmp(V)	41.32	38.91	41.47	39.03	41.62	39.15	41.95	39.39	42.14	39.52	42.29	39.65	42.44	39.78	42.59	39.87
Current at Pmax - Imp(A)	13.19	10.48	13.26	10.56	13.33	10.62	13.35	10.89	13.41	10.75	13.48	10.81	13.55	10.87	13.62	10.94
Module Efficiency -ηm(%)	21.10	/	21.29	/	21.48	/	21.68	/	21.87	/	22.07	/	22.26	/	22.45	/
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	2278x1134x35mm
Weight	28.6kg
Solar Cells	Mono crystalline 182mm (2x72pcs)
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

	2278x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	4	20
Pieces per Container	124	620

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 (SKT580M10-144S1)

