

SCAN CODE TO WATCH VIDEO

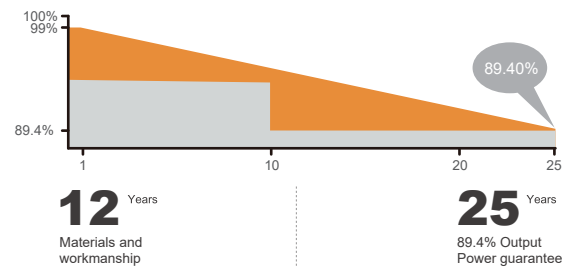


Learn more about the production of 182mm Mono PV Module

# 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

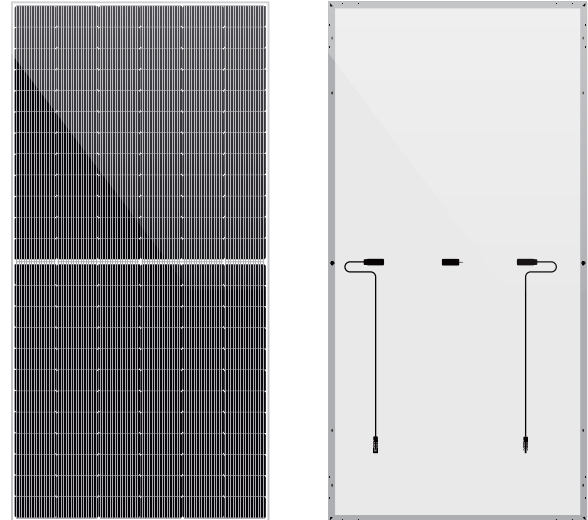
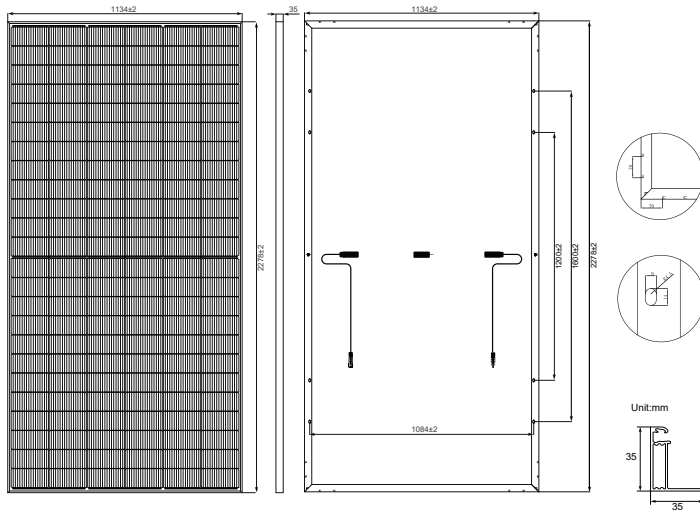


5400Pa  
Strengthened  
Mechanical Load



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	41.48	39.02	41.64	39.15	41.96	39.39	42.14	39.54	42.30	39.65	42.44	39.78	42.60	39.86
Current at Pmax - Imp(A)	13.19	10.49	13.26	10.56	13.33	10.63	13.35	10.69	13.41	10.75	13.48	10.82	13.55	10.86	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/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	2278x1134x35mm
Weight	28.6kg
Solar Cells	N-Type 16BB 182mm (2x72pcs)
Front Glass	AR Coated 3.2 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

## 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	-0.290%/°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

## Current-Voltage & Power-Voltage Curves (SKT580M10-144S1)

