

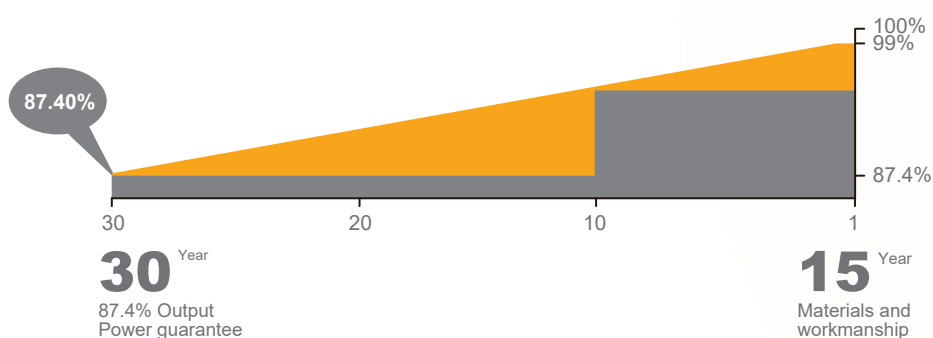


SKT580M10-144S2

580 Watt

182mm 16BB 144Cells All Black Double Glass Bifacial
Mono Half Cell PV Module Series

Sunket Linear Warranty



SMBB Technology
Half Cut Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

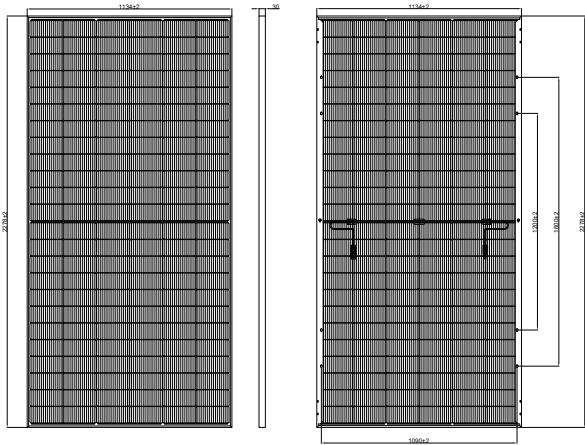


Strengthened
Mechanical Load



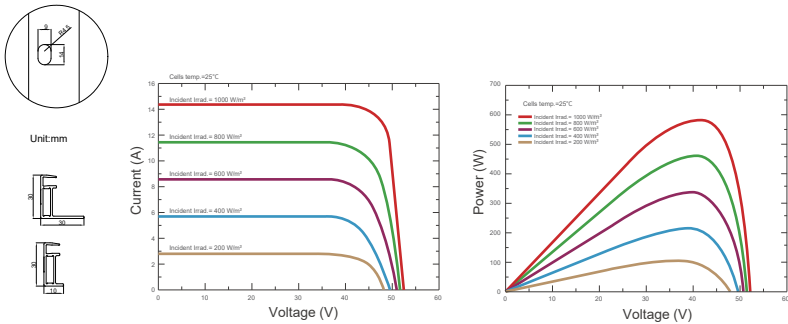
Advanced Bifacial
Efficiency





All Dimensions in mm
The above drawing is a graphical representation of the product.

Current-Voltage & Power-Voltage Curves (SKT580M10-144S2)



Electrical Characteristics (STC/NOCT)

Module Type	SKT580M10-144S2	
Test Conditions	STC	NOCT
Maximum Power- Pmax(W)	580	436
Open Circuit Voltage - Voc(V)	51.47	48.89
Short- Circuit Current - Isc(A)	14.37	11.21
Voltage at Pmax -Vmp(V)	42.60	39.86
Current at Pmax - Imp(A)	13.62	10.94
Module Efficiency -ηm(%)	22.45	/
Power Tolerance(W)	(0, +4.99W)	
Maximum System Voltage(V)	1500Vdc (IEC / UL)	
Maximum Series Fuse Rating (A)	30A	

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	2278x1134x30mm
Weight	30.5kg
Solar Cells	16BB 182mm (2x72pcs)
Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm²,1200mm (+), 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 Range	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

*Measurement tolerance: ±3% *Power binning up to: +3%

Bifacial Output Rear Side Power Gain

*Take SKT580M10-144S2 as an example.

Power Gain	5%	15%	25%
Maximum Power- Pmax(W)	609	667	725
Open Circuit Voltage - Voc(V)	51.47	51.47	51.47
Short- Circuit Current - Isc(A)	14.88	16.29	17.70
Voltage at Pmax -Vmp(V)	42.60	42.60	42.60
Current at Pmax - Imp(A)	14.30	15.66	17.02

Packing Configuration

Pallet Dimensions	2320x1140x1254mm		
Ways of Transport	40'HQ	13.5m Flatbed Truck	17.5m Flatbed Truck
Pieces per Pallet	37 Pcs	36 Pcs	36 Pcs
Pallets per Container	20 Pallets	17 Pallets	26 Pallets
Pieces per Container	740 Pcs	612 Pcs	936 Pcs