

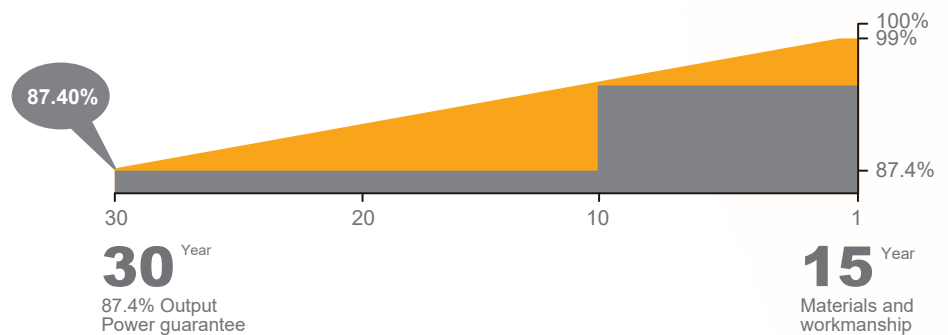


SKT580M10-144S2

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

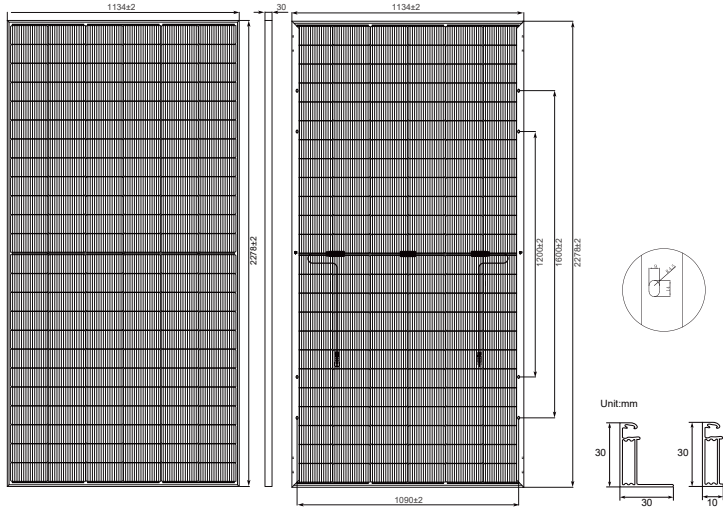


Strengthened
Mechanical Load

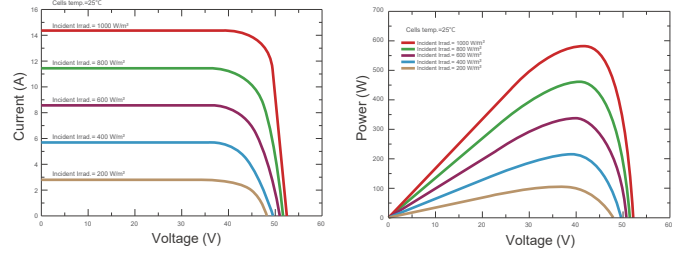


Advanced Bifacial
Efficiency





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



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

Electrical Characteristics (STC/NOCT)

Module Type	SKT580M10-144S2	
	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

Bifacial Output Rear Side Power Gain

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

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

Packing Configuration

Pallet Dimensions	2320x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	20
Pieces per Container	740