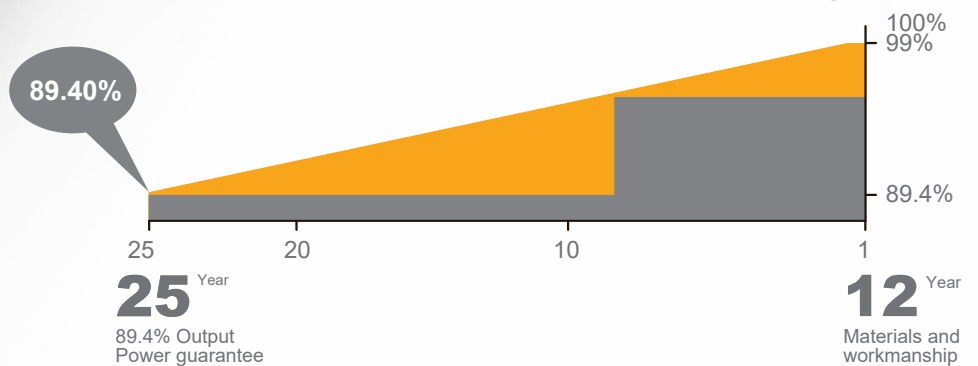


SKT550M10-144S1

550 Watt

182mm 16BB 144Cells
Mono Half Cell PV Module Series

Sunket Linear Warranty



SMBB Technology
Half Cut Cell



High Energy
Performance



100% Inspection
25years Guarantee



Fire Class A

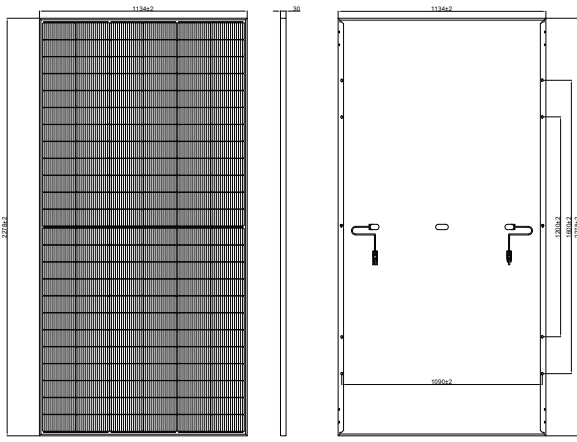


Strengthened
Mechanical Load

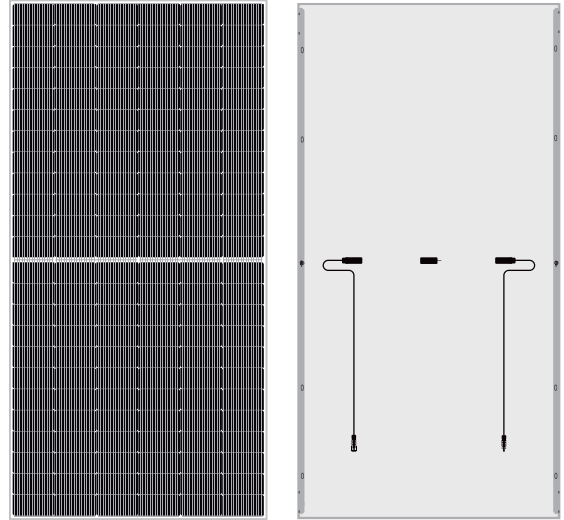
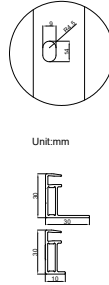


Anti PID





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



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

Electrical Characteristics (STC/NOCT)

Module Type	SKT550M10-144S1	
	STC	NOCT
Test Conditions	STC	NOCT
Maximum Power- Pmax(W)	550	412
Open Circuit Voltage - Voc(V)	50.18	47.66
Short- Circuit Current - Isc(A)	13.76	10.96
Voltage at Pmax -Vmp(V)	41.48	39.02
Current at Pmax - Imp(A)	13.26	10.56
Module Efficiency -ηm(%)	21.29	/
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

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

Mechanical Specifications

External Dimensions	2278x1134x30mm
Weight	27.5kg
Solar Cells	16BB 182mm (2x72pcs)
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

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	19 Pallets	28 Pallets
Pieces per Container	740 Pcs	684 Pcs	1008 Pcs

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

Current-Voltage & Power-Voltage Curves (SKT550M10-144S1)

