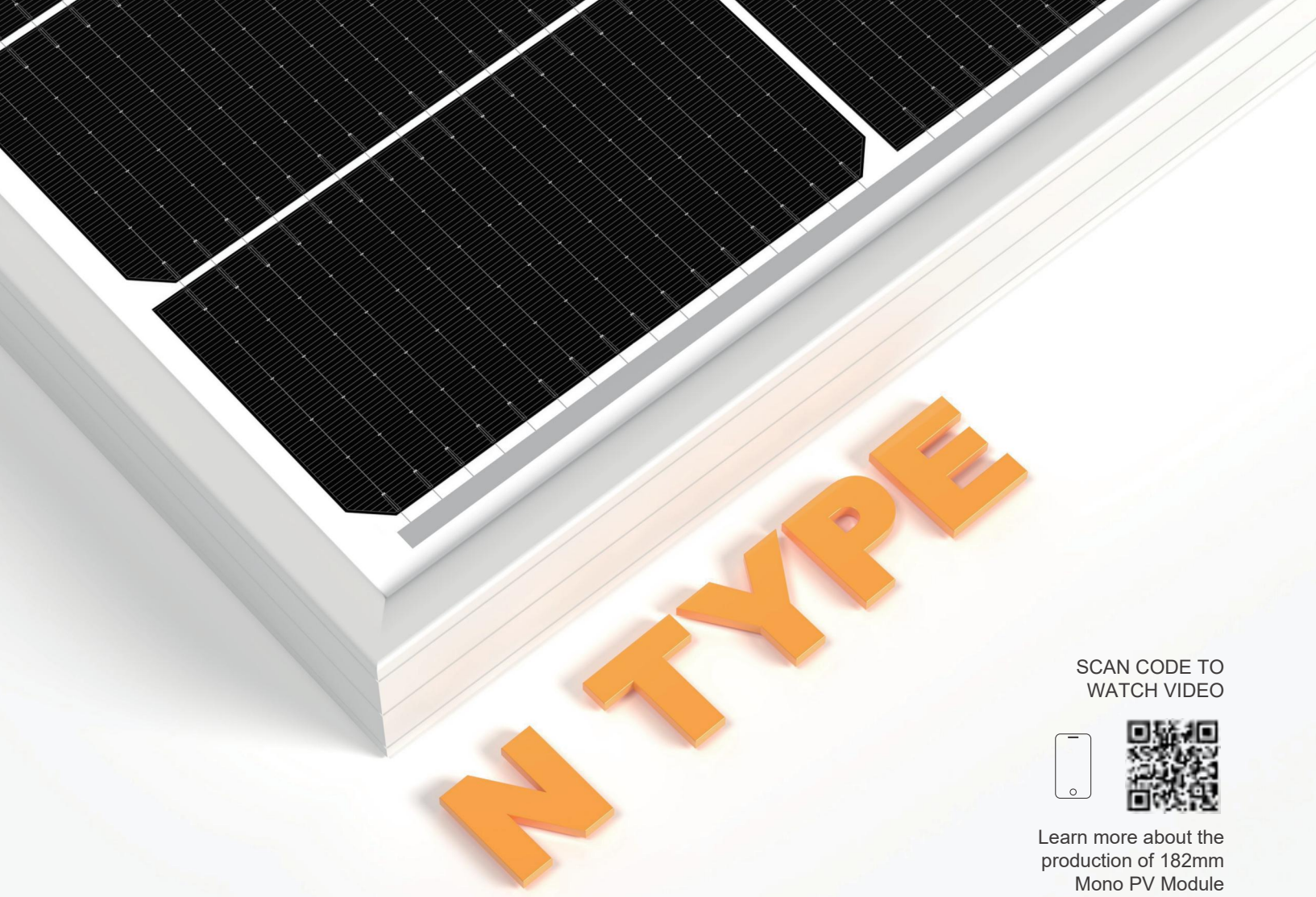


SCAN CODE TO
WATCH VIDEO

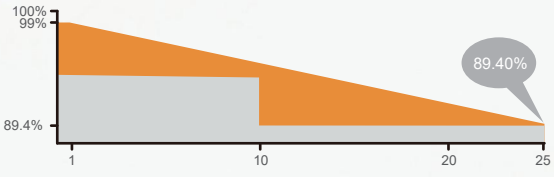
Learn more about the
production of 182mm
Mono PV Module

SKT550~580M10-144S1

550~580 Watt

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

Sunket N Type Linear Warranty



12 Years
Materials and
workmanship

25 Years
89.4% Output
Power guarantee

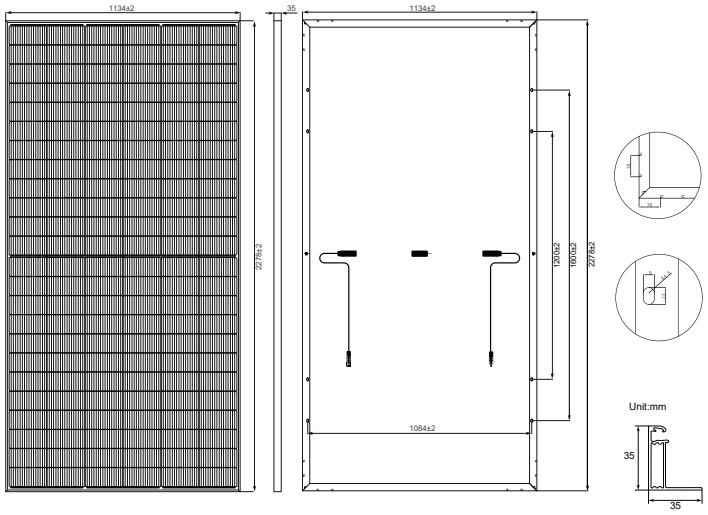
- SMBB Technology
  Half Cut N Type Cell
- High Energy
  Performance
- 100% Inspection
  25years Guarantee
- Fire Class A
- Strengthened
  Mechanical Load
- Anti PID

SUNKET® - Solar

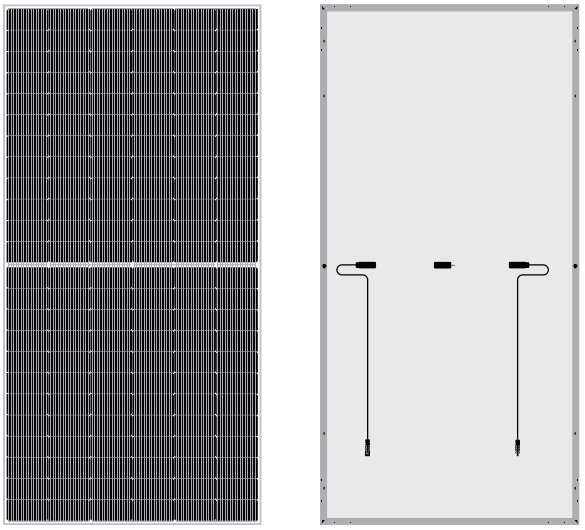
SUNKET® - Solar

SKT550~580M10-144S1

182mm 16BB 144Cells N Type Mono Half Cell PV Module



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		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
Maximum Power- Pmax(W)	550	412	555	416	560	421	565	425	570	429	575	432	580	436
Open Circuit Voltage - Voc(V)	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)	13.98	10.25	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)	41.48	39.03	41.64	39.15	41.96	39.39	42.14	39.52	42.30	39.65	42.44	39.78	42.60	39.87
Current at Pmax - Imp(A)	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(%)	21.29	/	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 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	4.0mm²,1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

Pallet Dimensions	2320x1125x1254mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	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)

