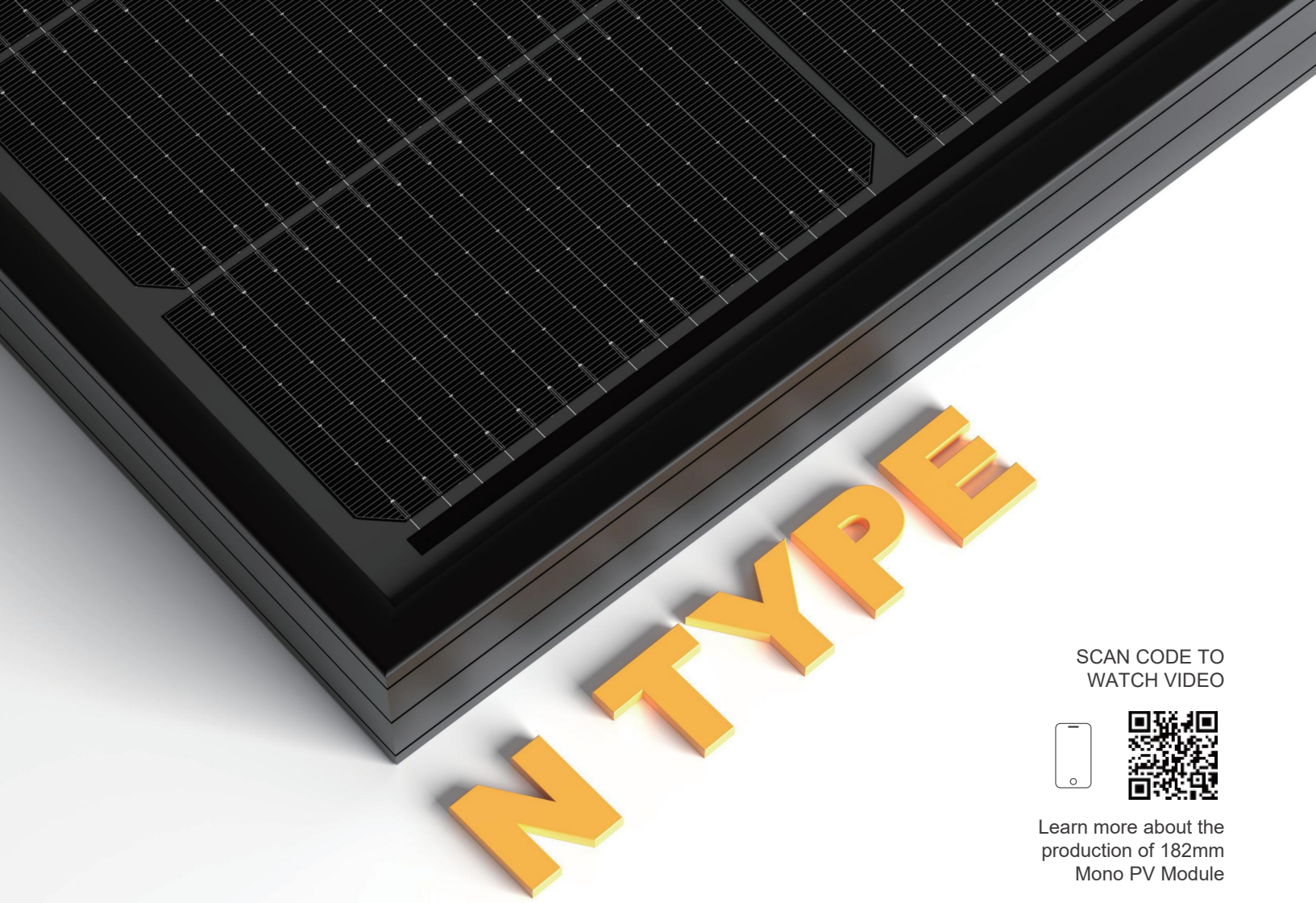
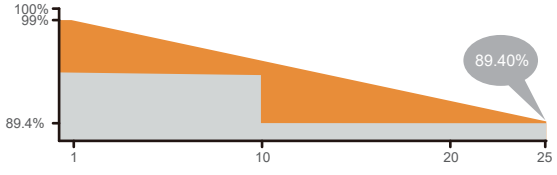


SCAN CODE TO
WATCH VIDEO

Learn more about the
production of 182mm
Mono PV Module

Sunket N Type Linear Warranty



12 Years
Materials and
workmanship

25 Years
89.4% Output
Power guarantee

SKT550~580M10-144S3

550~580 Watt

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

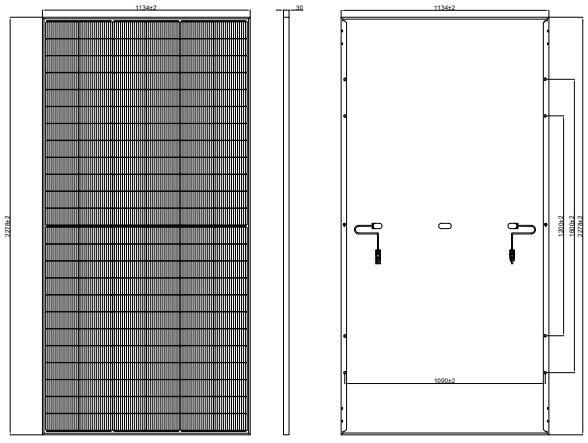
- SMBB Technology
  Half Cut N Type Cell
- High Energy
  Performance
- 100% Inspection
  25years Guarantee
- Fire Class A
- 5400Pa
  Strengthened
  Mechanical Load
- anti PID
  Anti PID

SUNKET® - Solar

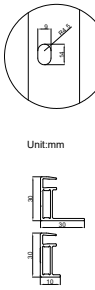
SUNKET® - Solar

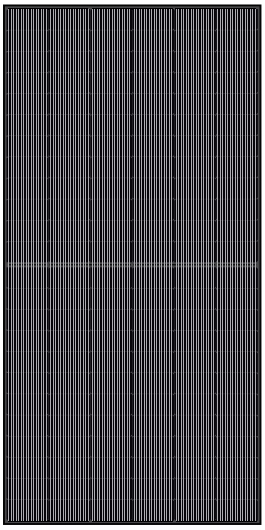
SKT550~580M10-144S3

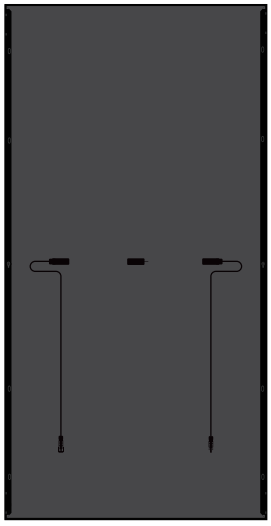
182mm 16BB 144Cells All Black
N Type Mono Half Cell PV Module



Unit:mm







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	SKT550M10-144S3		SKT555M10-144S3		SKT560M10-144S3		SKT565M10-144S3		SKT570M10-144S3		SKT575M10-144S3		SKT580M10-144S3	
Test Conditions	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℃, Air Mass 1.5
*NOCT： Irradiance 800W/m², Ambient Temperature 20℃, 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	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	2320×1140×1254mm		
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 (SKT580M10-144S3)

