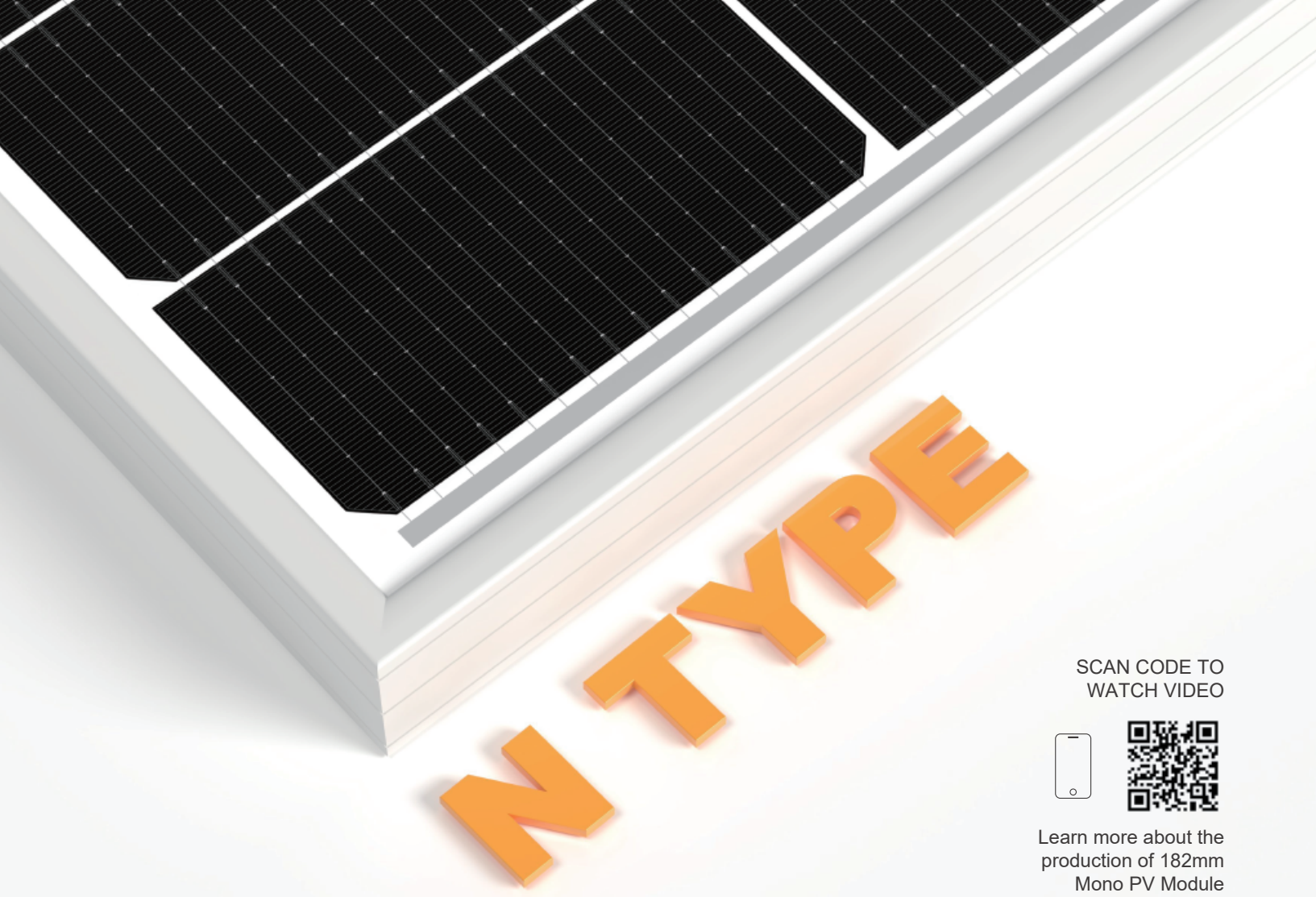


SCAN CODE TO
WATCH VIDEO

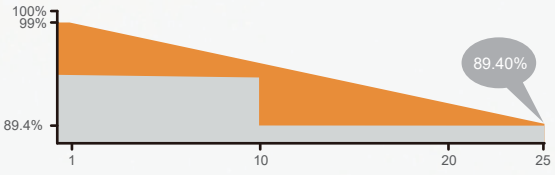
Learn more about the
production of 182mm
Mono PV Module

SKT580~590M10

580~590 Watt

182mm 16BB 144Cells Single Glass Bifacial
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

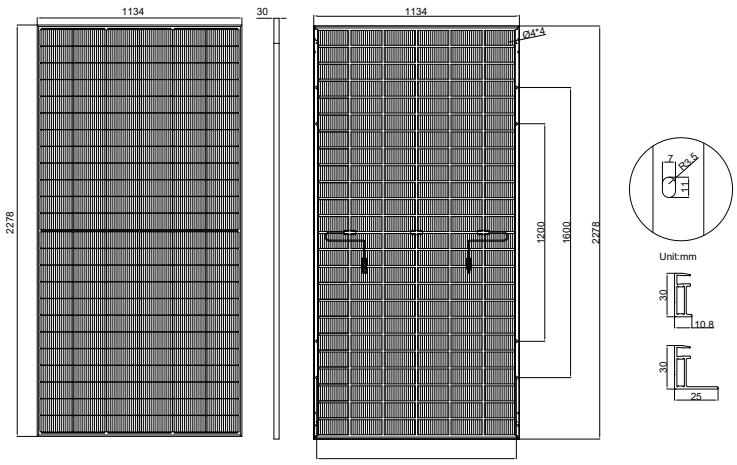
- SMBB Technology
  Half Cut N Type Cell
- High Energy
  Performance
- 100% Inspection
  25years Guarantee
- Fire Class A
- Strengthened
  Mechanical Load
- Anti PID

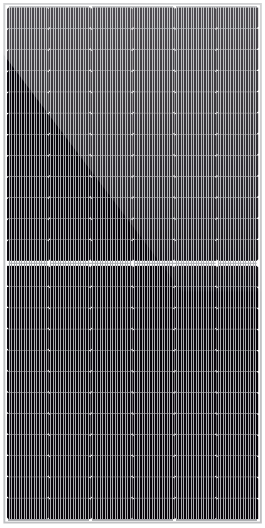
SUNKET - Solar

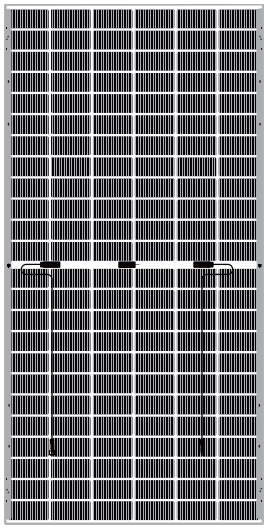
SUNKET-Solar

SKT580~590M10

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







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

Electrical Characteristics (STC/NOCT)

Module Type	SKT580M10		SKT585M10		SKT590M10	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	580	436	585	440	590	444
Open Circuit Voltage - Voc(V)	51.47	48.89	51.67	49.08	51.87	49.27
Short- Circuit Current - Isc(A)	14.37	11.21	14.43	11.26	14.49	11.31
Voltage at Pmax -Vmp(V)	42.60	39.86	42.76	39.97	42.92	40.08
Current at Pmax - Imp(A)	13.62	10.94	13.69	11.01	13.75	11.08
Module Efficiency -ηm(%)	22.45	/	22.64	/	22.84	/
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℃, 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	2278×1134×30mm
Weight	27.5kg
Solar Cells	N-Type 16BB 182mm (2×72pcs)
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 (SKT590M10)

