



NBC

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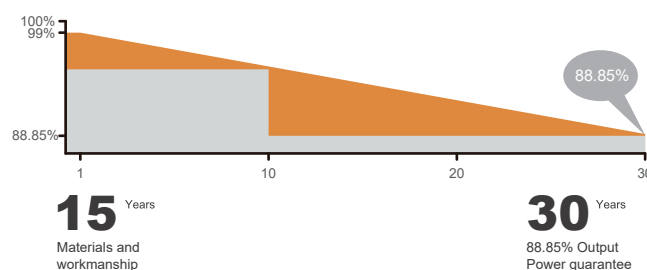


Learn more about the
production of NBC
Mono PV Module

SKT440-455M10 440~455 Watt

182mm 108Cells All Black Double Glass
N-Type BC (NBC) Mono Half Cell PV Module Series

Sunket Linear Warranty



NBC Technology
N-Type Solar Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A



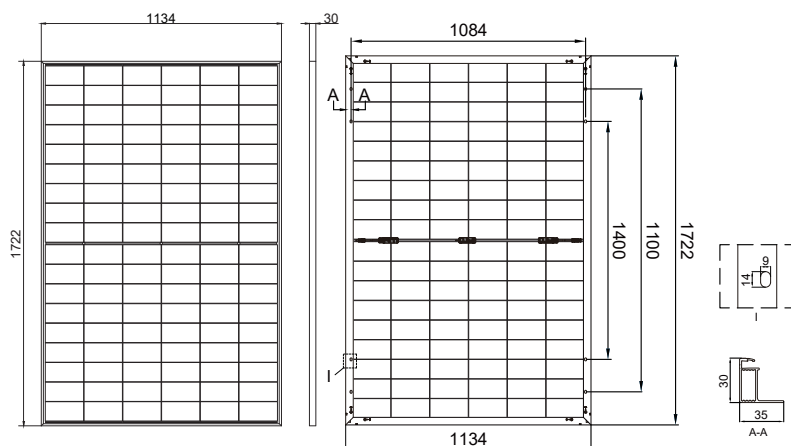
5400Pa
Strengthened
Mechanical Load



Anti PID

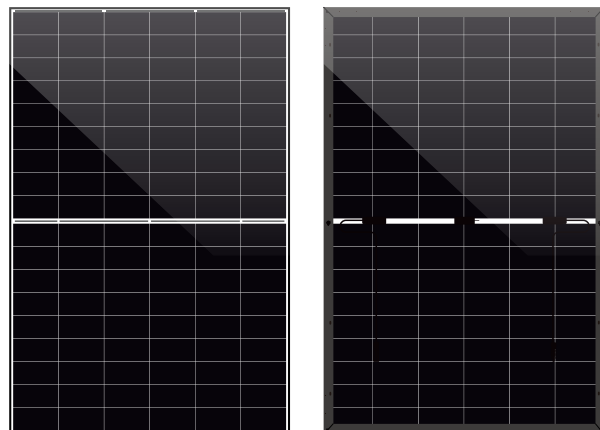


 **SUNKET[®] - Solar**



All Dimensions in mm

The above drawing is a graphical representation of the product.



Electrical Characteristics (STC/NOCT)

Module Type	SKT440M10		SKT445M10		SKT450M10		SKT455M10	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	440	332	445	336	450	339	455	343
Open Circuit Voltage - Voc(V)	40.05	37.72	40.15	37.82	40.25	37.91	40.35	38.00
Short- Circuit Current - Isc(A)	13.54	10.98	13.60	11.03	13.66	11.08	13.72	11.13
Voltage at Pmax -Vmp(V)	33.69	31.73	33.79	31.83	33.89	31.92	33.99	32.01
Current at Pmax - Imp(A)	13.07	10.47	13.18	10.56	13.28	10.65	13.39	10.73
Module Efficiency -ηm(%)	22.50	/	22.80	/	23.00	/	23.30	/
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	1722x1134x30mm
Weight	24kg
Solar Cells	NBC182mm (2x54pcs)
Glass	AR Coated 2+2mm 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

Temperature Characteristics

Pmax Temperature Coefficient	-0.260%/°C
Voc Temperature Coefficient	-0.220%/°C
Isc Temperature Coefficient	+0.050%/°C
Operating Temperature Range	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration

Pallet Dimensions	1750×1140×1254mm		
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	26 Pallets	22 Pallets	32 Pallets
Pieces per Container	962 Pcs	792 Pcs	1152 Pcs

Current-Voltage & Power-Voltage Curves (SKT455M10)

