

HPBC

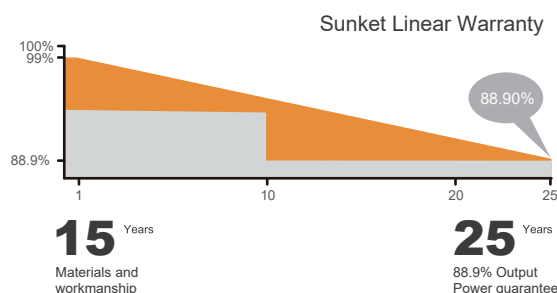
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Learn more about the
production of 182mm
PV Module

SKT420~440M10-108D5 420~440 Watt

182mm 108Cells All Black HPBC
Half Cell PV Module Series



HPBC Technology



High Energy
Performance



100% Inspection
25years Guarantee



Fire Class A



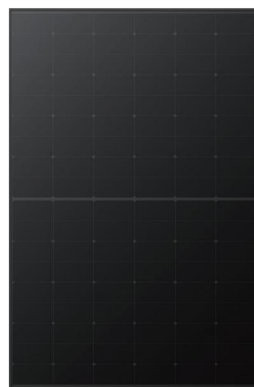
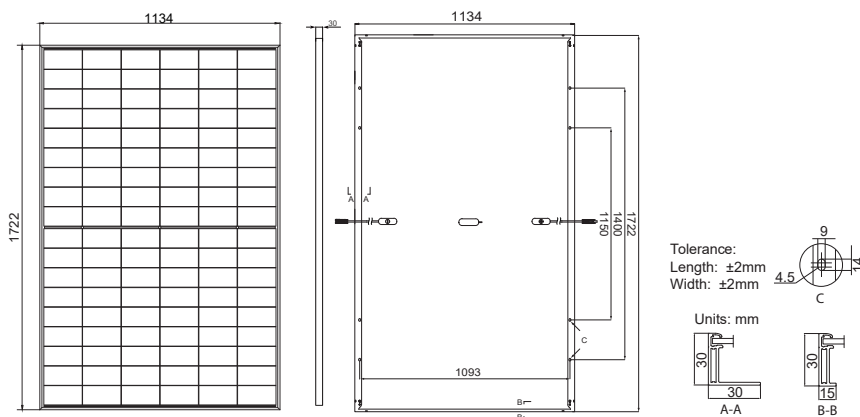
5400Pa
Strengthened
Mechanical Load



Anti PID



 **SUNKET[®] - Solar**



All Dimensions in mm

The above drawing is a graphical representation of the product.

Electrical Characteristics (STC/NOCT)

Module Type	SKT420M10-108D5		SKT425M10-108D5		SKT430M10-108D5		SKT435M10-108D5		SKT440M10-108D5	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	420	314	425	318	430	321	435	325	440	329
Open Circuit Voltage - Voc(V)	38.73	36.36	38.93	36.55	39.13	36.74	39.33	36.93	39.53	37.11
Short- Circuit Current - Isc(A)	14.00	11.31	14.07	11.36	14.15	11.43	14.22	11.49	14.30	11.55
Voltage at Pmax -Vmp(V)	32.44	29.60	32.64	29.78	32.84	29.97	33.04	30.15	33.24	30.33
Current at Pmax - Imp(A)	12.95	10.60	13.03	10.67	13.10	10.72	13.17	10.78	13.24	10.85
Module Efficiency -ηm(%)	21.50	/	21.80	/	22.00	/	22.30	/	22.50	/
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 Mass 1.5, Wind Speed 1m/s

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

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.8kg
Solar Cells	HPBC182mm (2x54pcs)
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

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.230%/°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	24 Pallets	36 Pallets
Pieces per Container	962 Pcs	864 Pcs	1296 Pcs

Current-Voltage & Power-Voltage Curves (SKT440M-108D5)

