

HPBC

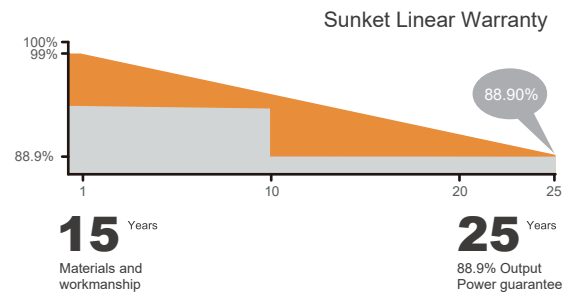
SCAN CODE TO WATCH VIDEO



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



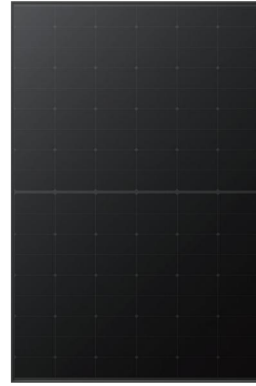
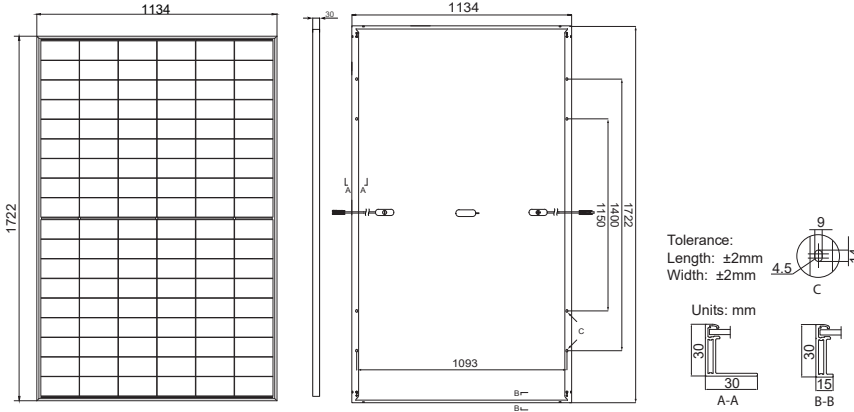
5400Pa
Strengthened
Mechanical Load



anti
PID
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	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Front Side										
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 - η_m (%)	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 Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.8kg
Solar Cells	182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 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	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45 \pm 2°C

Packing Configuration

Pallet Dimensions	1750x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	26
Pieces per Container	962

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

