

SKT430~450M6

430~450 Watt

166mm 144Cells All Black PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID



Strengthened
Mechanical Load

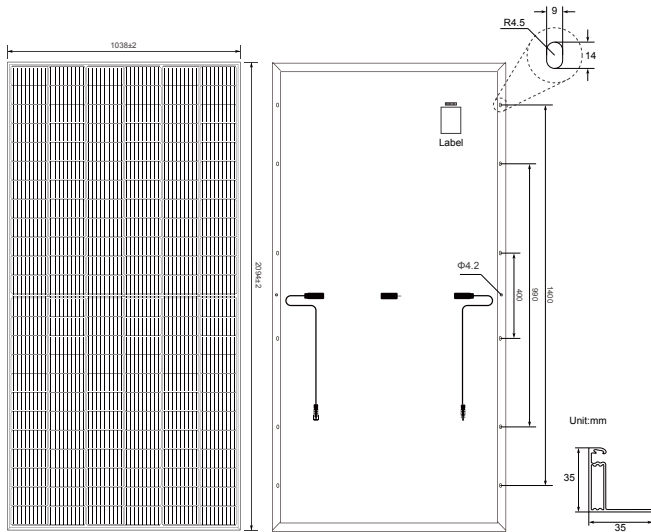


High Density
Packaging

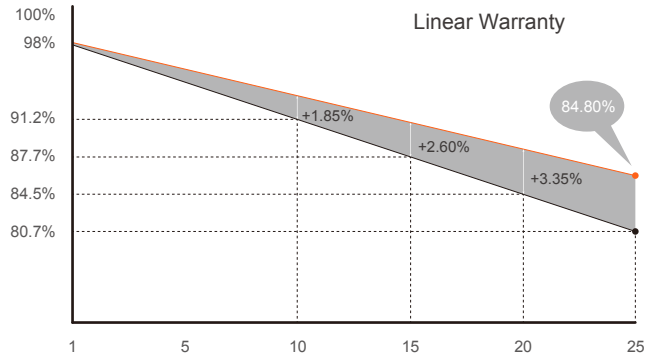


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166mm 144Cells All Black Solar PV Module



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.



12 Years
Material & Craft
Quality assurance

12 Years
90% Output
Power guarantee

25 Years
80% Output
Power guarantee

Electrical Characteristics (STC/NOCT)

Module Type	SKT430M6		SKT435M6		SKT440M6		SKT445M6		SKT450M6	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	430	317.4	435	321.1	440	324.9	445	328.6	450	332.3
Open Circuit Voltage - Voc(V)	48.5	45.3	48.7	45.5	48.9	45.7	49.1	45.8	49.3	46.0
Short- Circuit Current - Isc(A)	11.31	9.08	11.39	9.15	11.46	9.21	11.53	9.27	11.60	9.33
Voltage at Pmax -Vmp(V)	40.7	37.7	40.9	37.9	41.1	38.1	41.3	38.3	41.5	38.5
Current at Pmax - Imp(A)	10.57	8.42	10.64	8.47	10.71	8.53	10.78	8.59	10.85	8.64
Module Efficiency -ηm(%)	19.8	/	20.0	/	20.2	/	20.5	/	20.7	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	20A									

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

Mechanical Specifications

External Dimensions	2094x1038x35mm
Weight	23.3kg
Solar Cells	Mono crystalline 166mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/ C
Voc Temperature Coefficient	-0.275%/ C
Isc Temperature Coefficient	+0.045%/ C
Operating Temperature	-40 ~ +85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C

Packing Configuration

	2094x1038x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	33	33
Pallets per Container	5	22
Pieces per Container	165	726

Current-Voltage & Power-Voltage Curves (SKT450M6)

