

SKT430~460M6

430~460 Watt

Double glass bifacial frameless

166mm 144Cells PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID



Strengthened
Mechanical Load

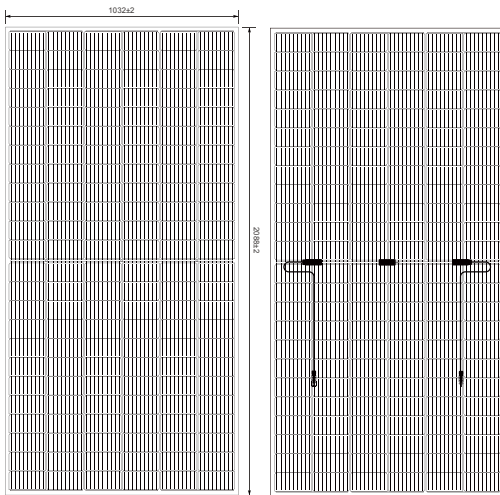


High Density
Packaging

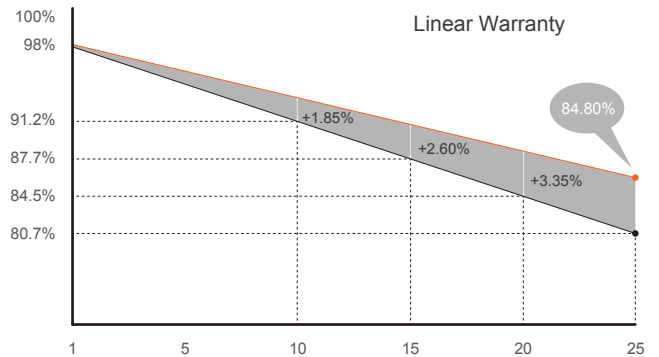


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Double glass bifacial frameless 166mm 144cells PV Module



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		SKT455M6		SKT460M6	
	STC	NOCT	STC	NOCT	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	455	336.1	460	339.8
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	49.5	46.2	49.7	46.4
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	11.66	9.38	11.73	9.43
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	41.7	38.6	41.9	38.8
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	10.92	8.70	10.98	8.75
Module Efficiency -ηm(%)	19.8	/	20.0	/	20.2	/	20.5	/	20.7	/	20.9	/	21.2	/
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	2088x1032x5mm
Weight	23.3kg
Solar Cells	Mono crystalline 166mm (2x72pcs)
Front Glass	AR Coated 2mm+2mm 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

	2088x1032x5mm	
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 (SKT460M6)

