

# SKT460~480M6

## 460~480 Watt

166mm 144Cells Bifacial HJT Mono Half Cell PV-Module Series

Learn more about the  
production of 166mm  
Mono PV Solar Module



MBB PERC  
Half Cut Cell



Excellent Low-light  
Performance



100% Inspection  
Guarantee Reliability



Anti PID



5400Pa  
Strengthened  
Mechanical Load

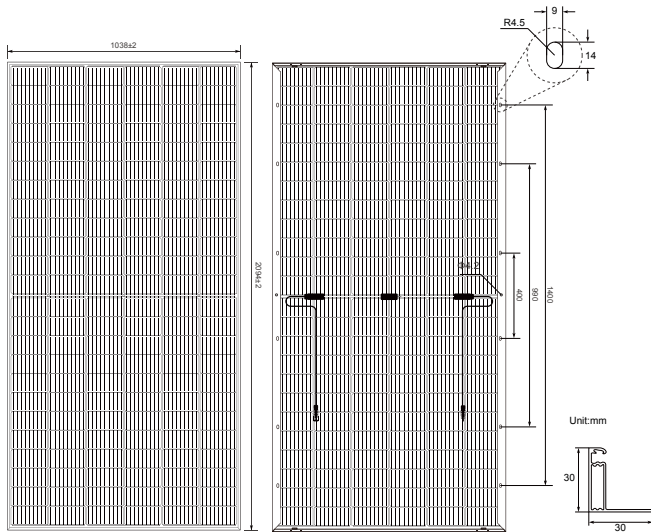


High Density  
Packaging

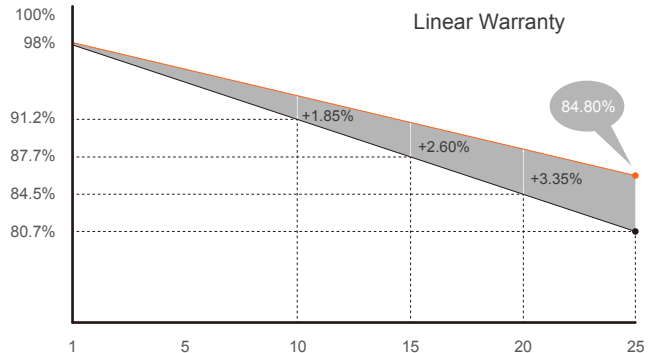


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All Dimensions in mm  
The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact SUNKET.



**12** Years  
Material & Craft  
Qualityassurance

**12** Years  
90% Output  
Power guarantee

**25** Years  
80% Output  
Power guarantee

## Electrical Characteristics (STC/BSTC)

Module Type	SKT460M6		SKT465M6		SKT470M6		SKT475M6		SKT480M6	
	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Maximum Power- Pmax(W)	460	510	465	515	470	520	475	525	480	530
Open Circuit Voltage - Voc(V)	53.22	54.33	53.35	54.73	53.48	55.33	53.61	55.93	53.74	56.53
Short- Circuit Current - Isc(A)	10.58	11.53	10.64	11.57	10.70	11.61	10.76	11.65	10.82	11.69
Voltage at Pmax -Vmp(V)	45.24	46.20	45.44	46.40	45.66	46.60	45.86	46.80	46.08	47.00
Current at Pmax - Imp(A)	10.18	11.14	10.24	11.19	10.30	11.24	10.36	11.29	10.43	11.34
Module Efficiency -ηm(%)	21.2	/	21.4	/	21.6	/	21.9	/	22.1	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	20A									

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	2094x1038x30mm
Weight	27kg
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 <sup>2</sup> , 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

	2094x1038x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	35	35
Pallets per Container	5	22
Pieces per Container	175	770

## Current-Voltage & Power-Voltage Curves (SKT480M6)

