

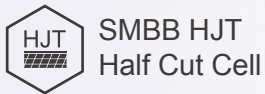
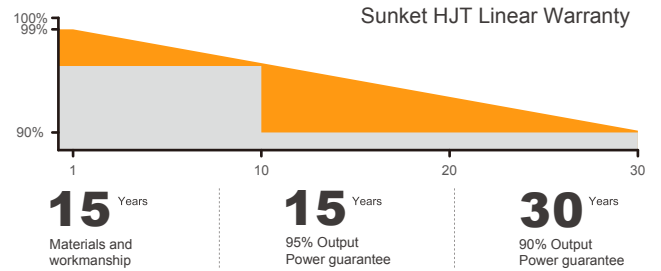
SCAN CODE TO
WATCH VIDEO



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

SKT460~480M6 460~480 Watt

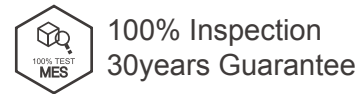
166mm 144Cells Bifacial HJT Mono
Half Cell PV-Module Series



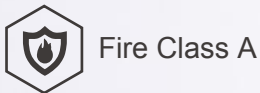
SMBB HJT
Half Cut Cell



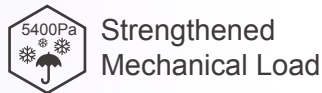
High Energy
Performance



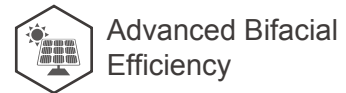
100% Inspection
30years Guarantee



Fire Class A

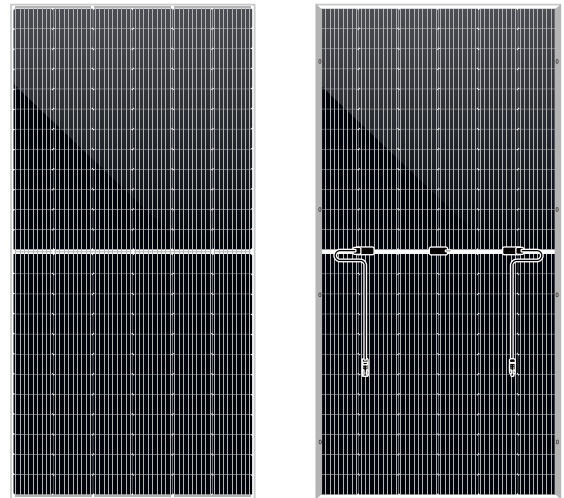
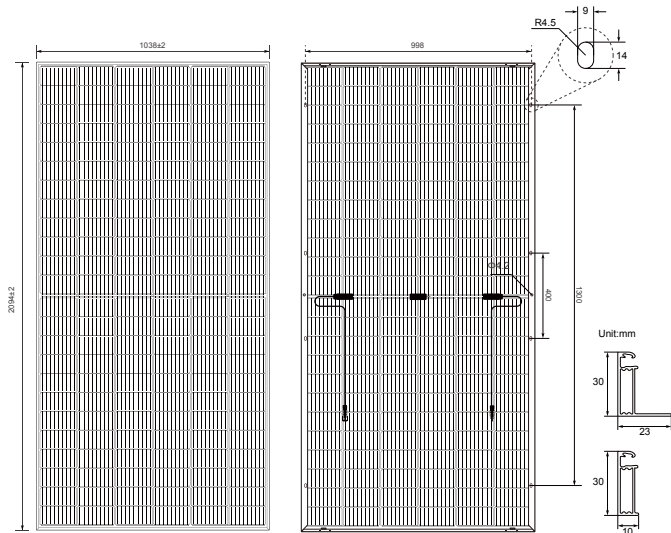


5400Pa
Strengthened
Mechanical Load



Advanced Bifacial
Efficiency





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

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									
Bifaciality	85±5%									

STC : Irradiance 1000W/m² , Cell Temperature 25 °C , Air Mass 1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within ±3%.
BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25 °C . Values are based on RETC certified results from a light-soaked module.

Mechanical Specifications

External Dimensions	2094x1038x30mm
Weight	27kg
Solar Cells	HJT Mono crystalline 166X83mm (2x72pcs)
Front Glass	AR Coated 2mm+2mm tempered glass
Frame	Anodized aluminum
Junction Box	IP68, 3 bypass diodes
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

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

Temperature Characteristics

Pmax Temperature Coefficient	-0.24%/°C
Voc Temperature Coefficient	-0.22%/°C
Isc Temperature Coefficient	-0.04%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Current-Voltage & Power-Voltage Curves (SKT480M6)

