



➤ **SKT430~465M6**
430~465 Watt

166mm 144Cells PV Module

BLACK

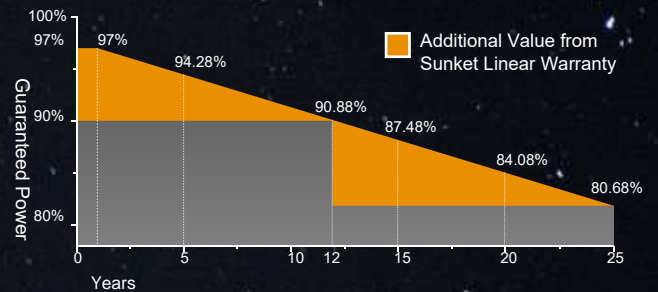
*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



12 Years
Material & Craft
Quality assurance

12 Years
90% Output
Power guarantee

25 Years
80% Output
Power guarantee



Manufactured in China
(Sunket New Energy Technology Co.,Ltd.)

➤ **PRODUCT FEATURE**



High transmissivity,
low-iron
tempered glass.



Using high
efficiency mono
solar cells



Excellent
performance
in low-light
environments



High quality
junction box and
connector
systems



100% inspection,
to guarantee
the reliability of
solar systems



Lower temperature
coefficient

➤ **MANAGEMENT SYSTEM**



ISO 9001 :
Quality management system



ISO 14001 :
Standard for environmental management system

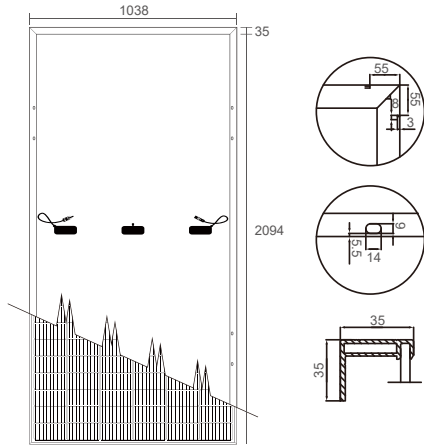


OHSAS 18001 :
International standard for occupational health
and safety assessment system

➤ **PRODUCT CERTIFICATES**

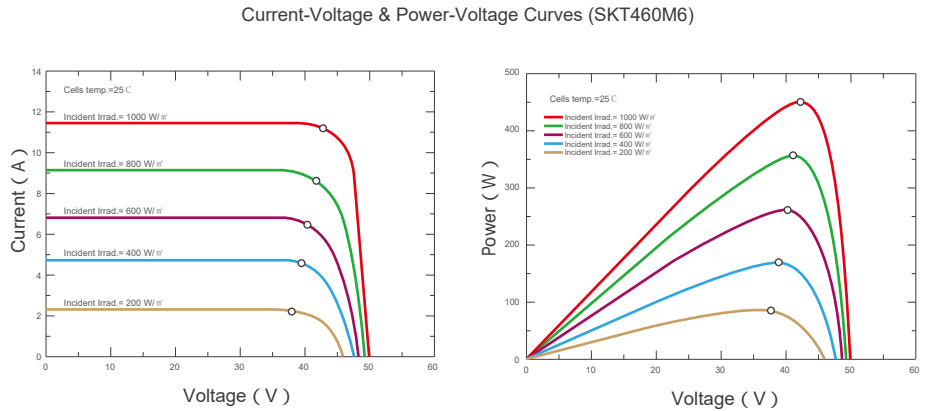


Dimension Drawing



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

I-V Graph



Electrical Characteristics (STC)

Module Type	SKT430M6	SKT435M6	SKT440M6	SKT445M6	SKT450M6	SKT460M6	SKT465M6
	STC	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	430±3%	435±3%	440±3%	445±3%	450±3%	460±3%	465±3%
Open Circuit Voltage - Voc(V)	48.5±3%	48.7±3%	48.9±3%	49.1±3%	49.3±3%	49.7±3%	49.9±3%
Short- Circuit Current - Isc(A)	11.31±3%	11.39±3%	11.46±3%	11.53±3%	11.60±3%	11.73±3%	11.80±3%
Voltage at Pmax -Vmp(V)	40.7	40.9	41.1	41.3	41.5	41.9	45.4
Current at Pmax - Imp(A)	10.57	10.64	10.71	10.78	10.85	10.98	10.23
Module Efficiency -ηm(%)	19.8	20.0	20.2	20.5	20.7	21.2	21.4
Power Tolerance(W)	(0, +5W)						
Maximum System Voltage(V)	1500Vdc						
Maximum Series Fuse Rating (A)	25A						

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Mechanical Specifications

External Dimensions, Weight	2094x1038x35mm, 23.3kg
Solar Cells	Mono crystalline 166x83mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum frame
Junction Box	IP68
Output Cables	4.0mm ² , 30cm (+), 30cm (-), length can be customized
Connector	TL-CABLE01S(Tonglin)
Fire safety	Class C
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

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

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.270%/°C
Isc Temperature Coefficient	+0.048%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C