

➤ **SKT480~510M10**
480~510 Watt

182mm 132Cells PV Module

BLACK

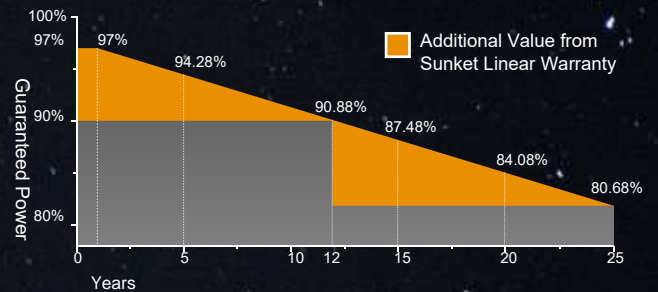
*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



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



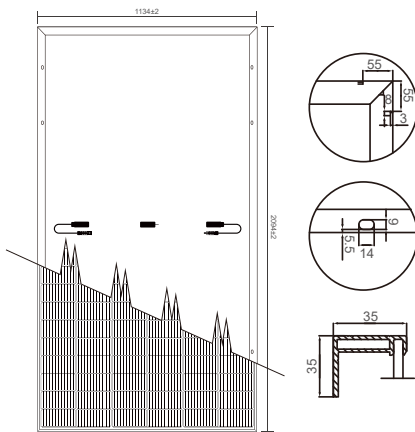
ISO 14001 :
Standard for environmental management system



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

➤ **PRODUCT CERTIFICATES**

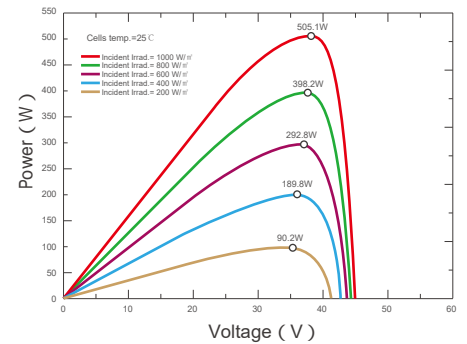
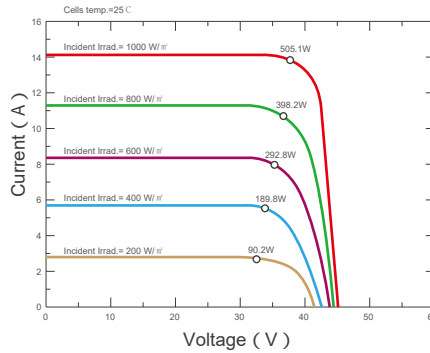


Dimension Drawing


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

I-V Graph

Current-Voltage & Power-Voltage Curves (SKT505M10)


Electrical Characteristics (STC)

Module Type	SKT480M10	SKT485M10	SKT490M10	SKT495M10	SKT500M10	SKT510M10
	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	480±3%	485±3%	490±3%	495±3%	500±3%	510±3%
Open Circuit Voltage - Voc(V)	45.07±3%	45.20±3%	45.33±3%	45.46±3%	45.59±3%	45.85±3%
Short- Circuit Current - Isc(A)	13.65±3%	13.72±3%	13.79±3%	13.86±3%	13.93±3%	14.07±3%
Voltage at Pmax -Vmp(V)	37.62	37.81	37.99	38.17	38.35	40.67
Current at Pmax - Imp(A)	12.76	12.83	12.90	12.97	13.04	12.54
Module Efficiency -ηm(%)	20.3	20.4	20.6	20.8	21.1	21.5
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	2094x1134x35mm, 26.3kg
Solar Cells	Mono crystalline 182mm (2x66pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
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

	2094x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	5	22
Pieces per Container	155	682

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