

➤ **SKT440~465M10**
440~465 Watt

182mm 120Cells PV Module

BLACK

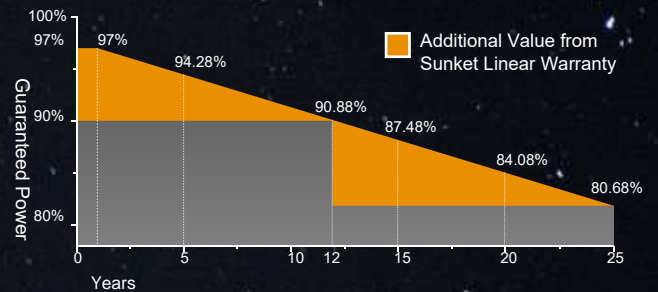
*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



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**

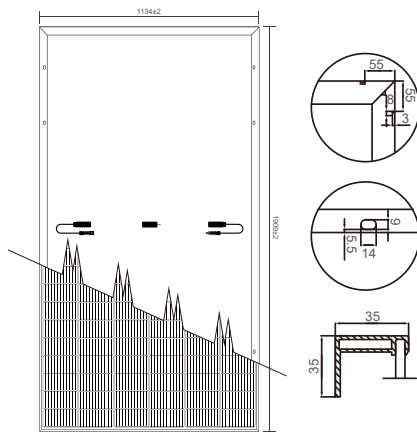
- High transmissivity, low-iron tempered glass.
- Using high efficiency mono solar cells
- Excellent performance in low-light environments
- High quality junction box and connector systems
- 100% inspection, to guarantee the reliability of solar systems
- Lower temperature coefficient

➤ **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**

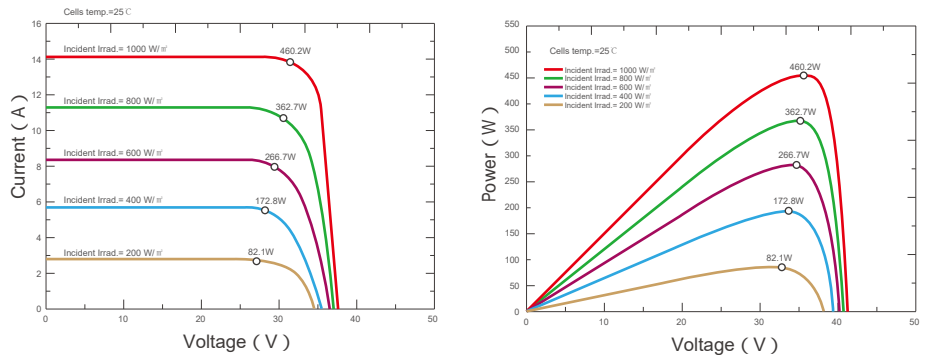


Dimension Drawing


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 (SKT460M10)


Electrical Characteristics (STC)

Module Type	SKT440M10	SKT450M10	SKT455M10	SKT460M10	SKT465M10
	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	440±3%	450±3%	455±3%	460±3%	465±3%
Open Circuit Voltage - Voc(V)	40.98±3%	41.41±3%	41.63±3%	41.84±3%	42.06±3%
Short- Circuit Current - Isc(A)	13.66±3%	13.82±3%	13.90±3%	13.99±3%	14.08±3%
Voltage at Pmax -Vmp(V)	34.44	34.80	34.98	35.16	37.09
Current at Pmax - Imp(A)	12.78	12.93	13.01	13.08	12.54
Module Efficiency -ηm(%)	20.3	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	1909x1134x35mm, 24kg
Solar Cells	Mono crystalline 182mm (2x60pcs)
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

	1909x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	5	24
Pieces per Container	155	744

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