

➤ **SKT525~550M10/144H**  
**525~550 Watt**

182mm 144Cells PV Module

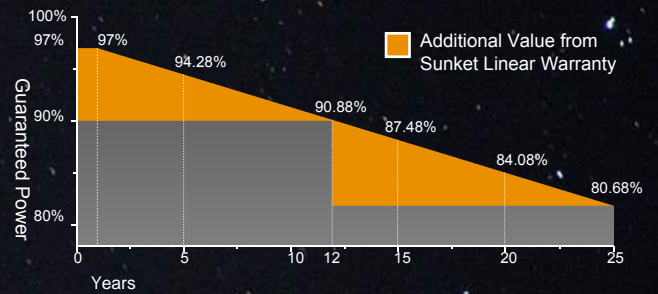
**BLACK** \*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



**12** Years  
Material & Craft  
Quality assurance

**12** Years  
90% Output  
Power guarantee

**25** Years  
80% Output  
Power guarantee



➤ **PRODUCT FEATURE**

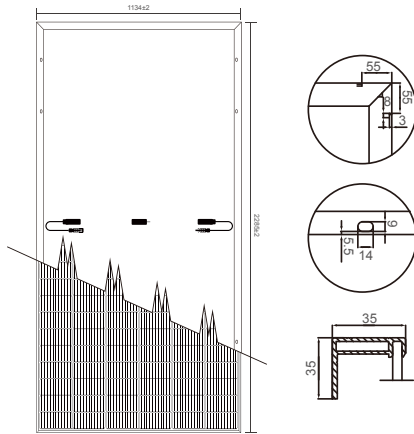
- High transmissivity, low-iron tempered glass.
- Using high efficiency mono solar cells
- Excellent performance in low-light environments
- High quality junction box and connector systems
- 100% inspection, to guarantee the reliability of solar systems
- Anti LID
- Anti PID
- Lower temperature coefficient

➤ **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**

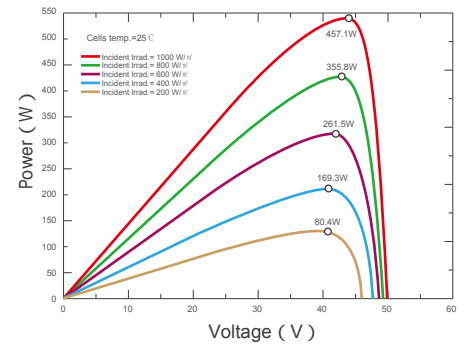
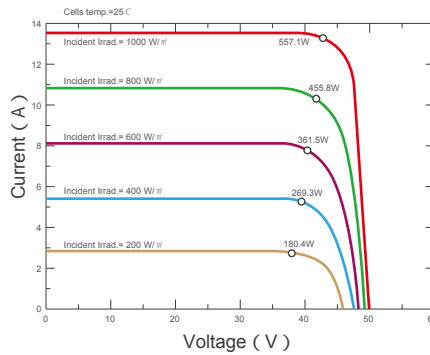


**Dimension Drawing**


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 &amp; Power-Voltage Curves (SKT550M10/144H)


**Electrical Characteristics (STC/NOCT)**

Module Type	SKT525M10/144H		SKT530M10/144H		SKT535M10/144H		SKT540M10/144H		SKT545M10/144H		SKT550M10/144H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	525	397	530	401	535	405	540	408	545	412	550	416
Open Circuit Voltage - Voc(V)	49.15	46.05	49.30	46.18	49.45	46.31	49.60	46.43	49.75	46.55	49.90	46.68
Short- Circuit Current - Isc(A)	13.65	10.97	13.72	11.01	13.79	11.05	13.86	11.09	13.93	11.13	14.00	11.17
Voltage at Pmax -Vmp(V)	41.15	38.36	41.31	38.57	41.47	38.78	41.64	38.99	41.80	39.20	41.96	39.43
Current at Pmax - Imp(A)	12.76	10.35	12.83	10.39	12.90	10.43	12.97	10.47	13.04	10.51	13.11	10.55
Module Efficiency -ηm(%)	20.3	/	20.5	/	20.7	/	20.9	/	21.1	/	21.3	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

 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	2279x1134x35mm
Weight	28.6kg
Solar Cells	Mono crystalline 182mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

**Packing Configuration**

	2279x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	32
Pallets per Container	5	22
Pieces per Container	150	704

**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