

SKT440~460M10

440~460 Watt

182mm 120Cells PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID



5400Pa
Strengthened
Mechanical Load

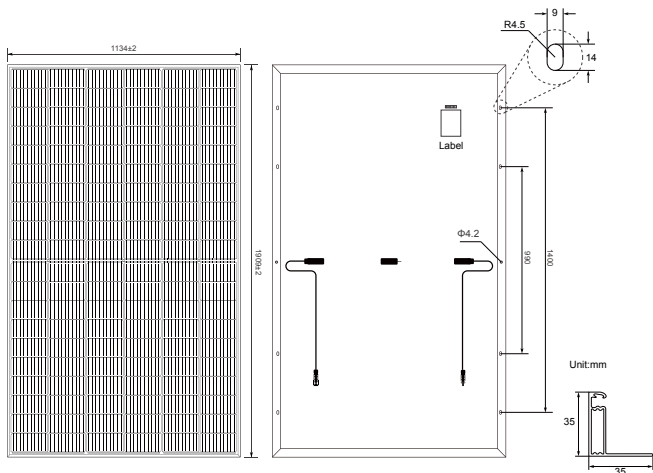


High Density
Packaging

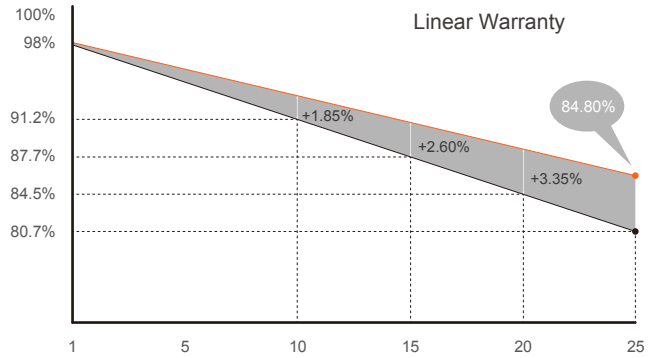


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182mm 120Cells Solar PV Module



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



12 Years
Material & Craft
Quality assurance

12 Years
90% Output
Power guarantee

25 Years
80% Output
Power guarantee

Electrical Characteristics (STC/NOCT)

Module Type	SKT440M10		SKT445M10		SKT450M10		SKT455M10		SKT460M10	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	440	333	445	337	450	341	455	345	460	349
Open Circuit Voltage - Voc(V)	40.98	38.61	41.20	38.81	41.41	39.03	41.63	39.25	41.84	39.47
Short- Circuit Current - Isc(A)	13.66	10.99	13.74	11.04	13.82	11.09	13.90	11.14	13.99	11.19
Voltage at Pmax -Vmp(V)	34.44	32.09	34.62	32.32	34.80	32.54	34.98	32.77	35.16	32.99
Current at Pmax - Imp(A)	12.78	10.38	12.85	10.43	12.93	10.48	13.01	10.53	13.08	10.58
Module Efficiency -ηm(%)	20.3	/	20.4	/	20.6	/	20.8	/	21.1	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	25A									

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

NOCT : Irradiance 800W/m², Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1909x1134x35mm
Weight	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 , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
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

Current-Voltage & Power-Voltage Curves (SKT460M10)

