

ULTRA
N TYPE

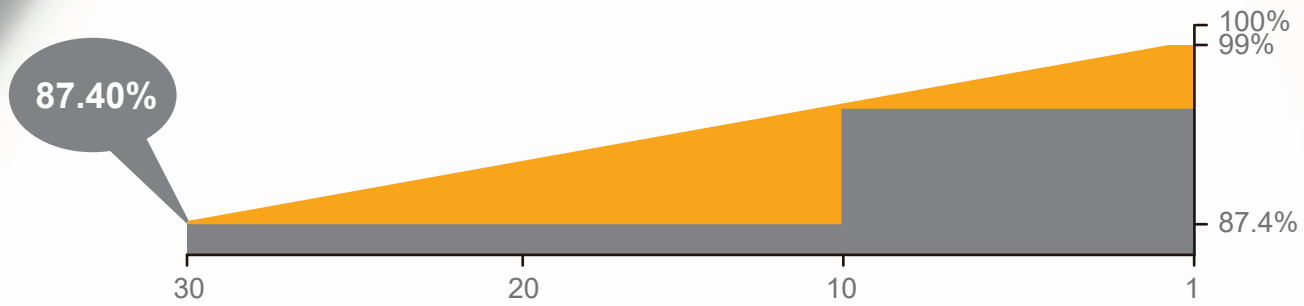
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut N Type Cell

SKT490~515M10-120D5

490~515 Watt

192x182mm 16BB 120Cells Double Glass Bifacial
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty



30 Year
87.4% Output
Power guarantee

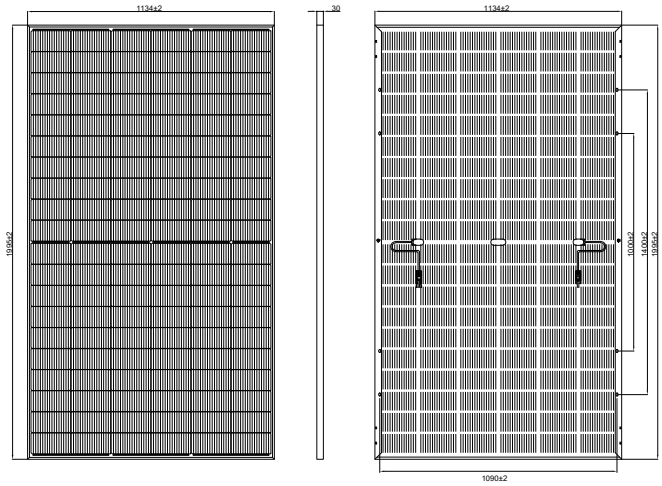
15 Year
Materials and
workmanship

SUNKET® - Solar

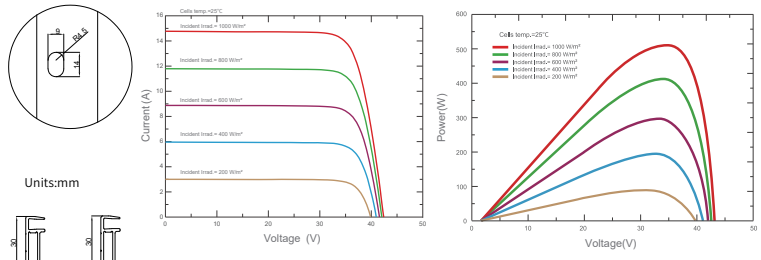
SKT490~515M10-120D5

192x182mm 16BB 120Cells Double Glass Bifacial
N Type Mono Half Cell PV Module Series

SUNKET® - Solar



Current-Voltage & Power-Voltage Curves (SKT515M10-120D5)



All Dimensions in mm
The above drawing is a graphical representation of the product.

Electrical Characteristics (STC/NMOT)

Module Type	SKT490M10-120D5		SKT495M10-120D5		SKT500M10-120D5		SKT505M10-120D5		SKT510M10-120D5		SKT515M10-120D5	
Front Side	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	490	371.6	495	374.9	500	378.1	505	381.4	510	384.6	515	387.9
Open Circuit Voltage - Voc(V)	43.06	40.04	43.22	40.24	43.38	40.42	43.53	40.60	43.69	40.78	43.85	40.96
Short- Circuit Current - Isc(A)	14.48	11.89	14.56	11.94	14.64	11.99	14.72	12.04	14.79	12.09	14.88	12.14
Voltage at Pmax -Vmp(V)	35.78	32.21	35.92	33.35	36.04	33.49	36.17	33.62	36.30	33.77	36.43	33.91
Current at Pmax - Imp(A)	13.69	11.19	13.78	11.24	13.87	11.29	13.96	11.34	14.05	11.39	14.14	11.44
Module Efficiency -ηm(%)	21.66	/	21.88	/	22.10	/	22.32	/	22.54	/	22.76	/
Power Tolerance(W)	（0，+5W）											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	30A											

STC ： Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5　　NMOT： Irradiance 800W/m², Ambient Temperature 20℃, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1995x1134x30mm
Weight	24.4kg
Solar Cells	N-Type 16BB 182x96mm (2x60pcs)
Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1200mm (+),1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Bifacial Output Rear Side Power Gain

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	541.0	567.0	618.0
Open Circuit Voltage - Voc(V)	43.85	43.85	43.85
Short- Circuit Current - Isc(A)	15.62	16.37	17.85
Voltage at Pmax -Vmp(V)	36.43	36.43	36.43
Current at Pmax - Imp(A)	14.84	15.55	16.96

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NMOT)	45±2°C

Packing Configuration

Pallet Dimensions	2025x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	22
Pieces per Container	814

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