

ULTRA
N TYPE

N-type multi-cut cell technology
Reduces internal current loss of the module and improves power output

Efficient bifacial power generation
PV Module bifaciality rate: 85%±5

Excellent low-light performance
Higher power generation gain in low-light conditions

Optimized temperature coefficient
Temperature coefficient of -0.26%/℃, ensuring power generation in high-temperature environments

-0.35% linear degradation rate
Enables longer service life

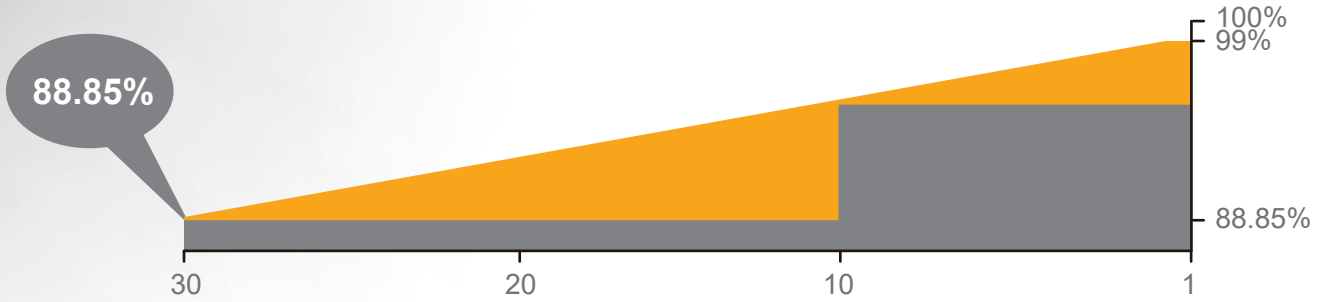
Lower levelized cost of electricity
Reduces the overall balance of system cost

SKT470~485M12-192D4

470~485 Watt

213x182.3mm 16BB 192Cells Double Glass Bifacial
N Type Mono Quad-Cell PV Module Series

Sunket N Type Linear Warranty



30 Year
88.85% Output
Power guarantee

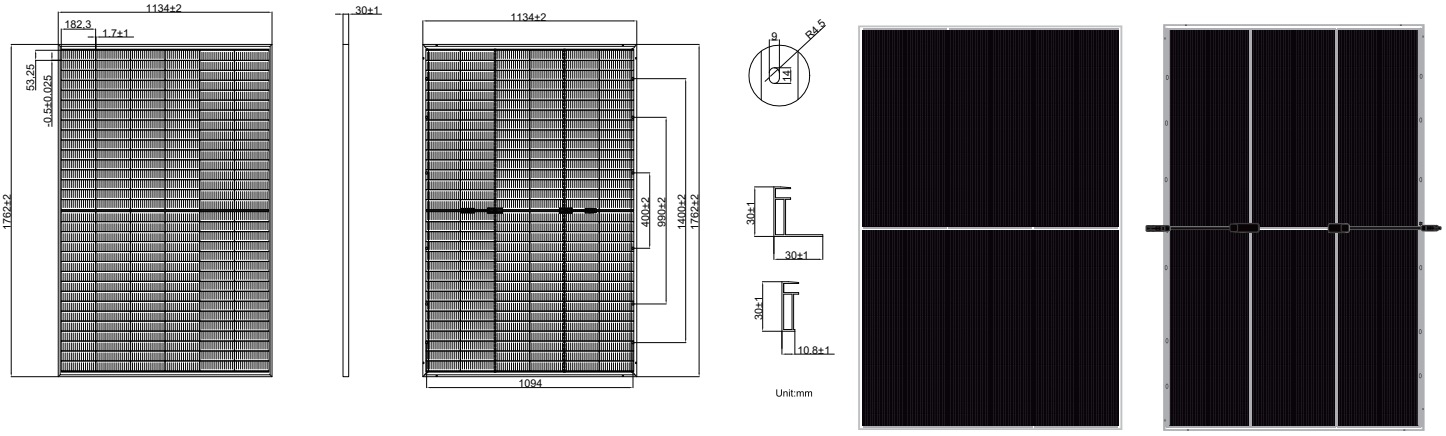
12 Year
Materials and
workmanship

SUNKET - Solar

SKT470~485M12-192D4

213x182.3mm 16BB 192Cells Double Glass Bifacial
N Type Mono Quad-Cell PV Module Series

SUNKET - Solar



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

Electrical Characteristics (STC/NMOT)

Module Type	SKT470M12-192D4		SKT475M12-192D4		SKT480M12-192D4		SKT485M12-192D4	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	470	354.9	475	358.7	480	362.5	485	366.2
Open Circuit Voltage - Voc(V)	35.91	34.09	36.09	34.25	36.27	34.41	36.45	34.57
Short- Circuit Current - Isc(A)	16.16	13.48	16.25	13.56	16.34	13.64	16.43	13.72
Voltage at Pmax -Vmp(V)	30.81	28.83	30.94	28.95	31.07	29.07	31.20	29.19
Current at Pmax - Imp(A)	15.25	12.31	15.35	12.39	15.45	12.47	15.54	12.55
Module Efficiency -ηm(%)	23.52	/	23.77	/	24.02	/	24.27	/
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°C, Air Mass1.5, Wind Speed 1m/s
*Measurement tolerance: ±3%　*Power binning up to: +3%

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	24kg
Solar Cells	N-Type 16BB 182x53.25mm (6x32pcs)
Glass	AR Coated 2+2 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

Packing Configuration

Pallet Dimensions	1790×1140×1260mm		
Ways of Transport	40'HQ	13.5m Flatbed Truck	17.5m Flatbed Truck
Pieces per Pallet	37 Pcs	36 Pcs	36 Pcs
Pallets per Container	26 Pallets	28 Pallets	30 Pallets
Pieces per Container	962 Pcs	1008Pcs	1080 Pcs

Temperature Characteristics

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

Current-Voltage & Power-Voltage Curves (SKT485M12-192D4)

