

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

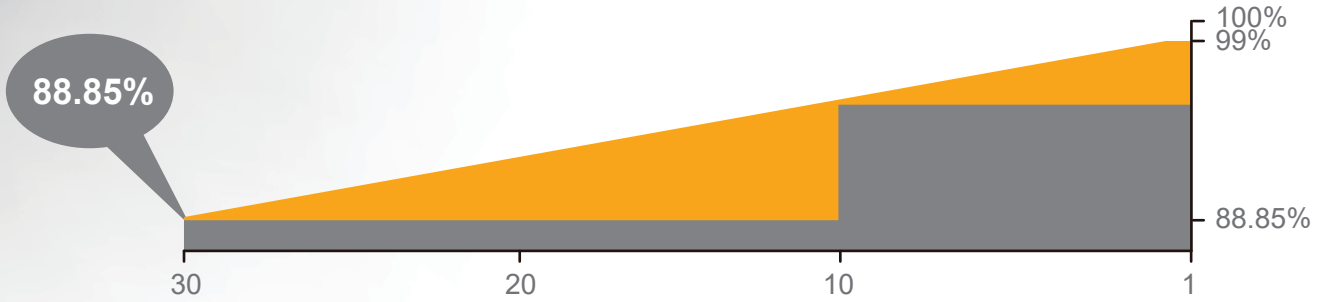
Lower levelized cost of electricity
Reduces the overall balance of system cost

SKT440~455M12-192D4

440~455 Watt

213x182.3mm 16BB 180Cells Double Glass Bifacial
N Type Mono Quad-Cell PV Module Series

Sunket N Type Linear Warranty



30 Year
88.85% Output
Power guarantee

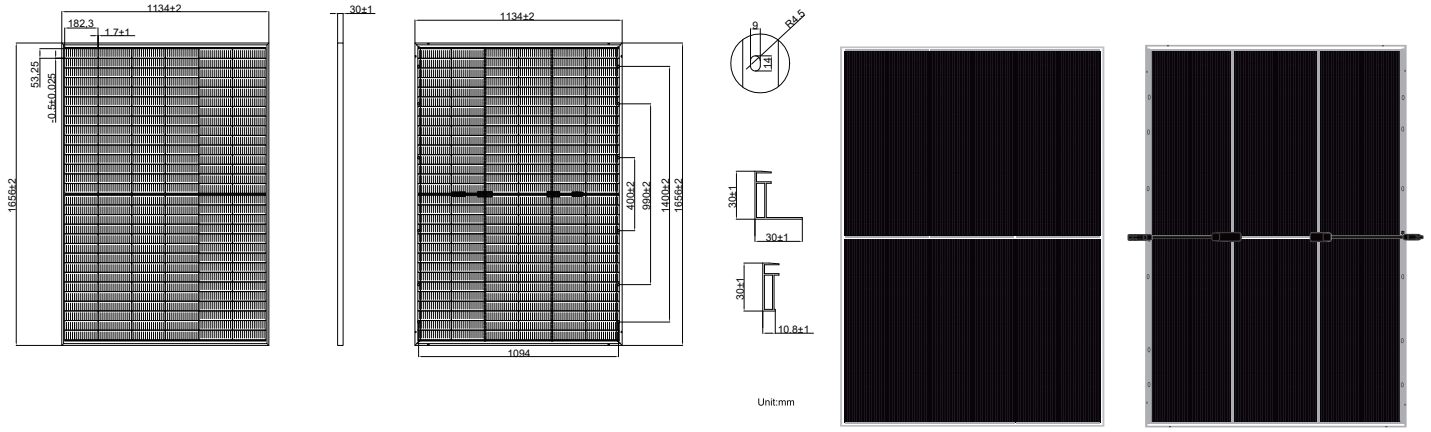
12 Year
Materials and
workmanship

SUNKET - Solar

SKT440~455M12-180D4

213x182.3mm 16BB 180Cells 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	SKT440M12-180D4	SKT445M12-180D4	SKT450M12-180D4	SKT455M12-180D4
Test Conditions	STC	STC	STC	STC
Maximum Power- Pmax(W)	440	445	450	455
Open Circuit Voltage - Voc(V)	33.66	33.84	34.02	34.20
Short- Circuit Current - Isc(A)	16.14	16.23	16.33	16.42
Voltage at Pmax -Vmp(V)	28.89	29.02	29.15	29.28
Current at Pmax - Imp(A)	15.23	15.33	15.44	15.54
Module Efficiency -ηm(%)	23.43	23.70	23.96	24.23
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	1656x1134x30mm
Weight	22.5kg
Solar Cells	N-Type 16BB 182x53.25mm (6x30pcs)
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	1680×1140×1260mm		
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	28 Pallets	30 Pallets	32 Pallets
Pieces per Container	1036 Pcs	1080Pcs	1152 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	45±2°C

Current-Voltage & Power-Voltage Curves (SKT455M12-180D4)

