

ULTRA

N TYPE

Fire Class A



High Energy  
Performance



Strengthened  
Mechanical Load



Advanced Bifacial  
Efficiency



100% Inspection  
30years Guarantee



SMBB Technology  
Half Cut N Type Cell

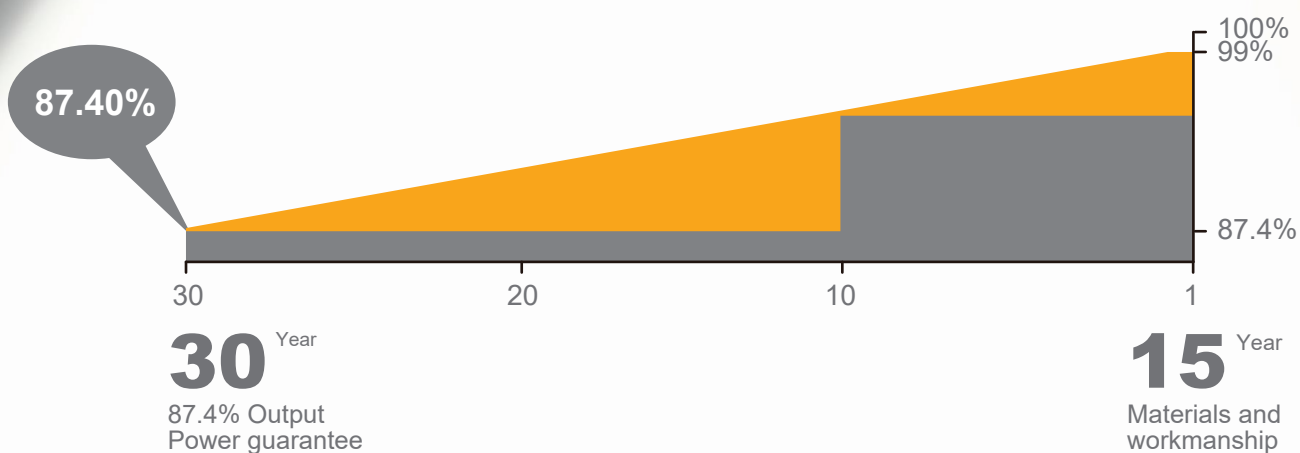


SKT425~460M10-108D5

425~460 Watt

188x182mm 16BB 108Cells Double Glass Bifacial  
N Type Mono Half Cell PV Module Series

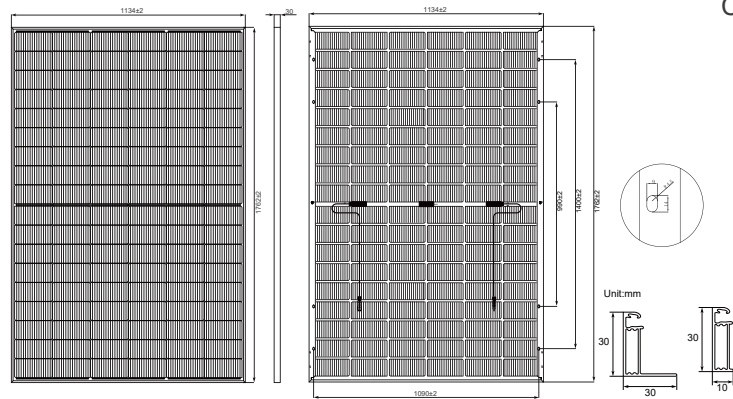
Sunket N Type Linear Warranty



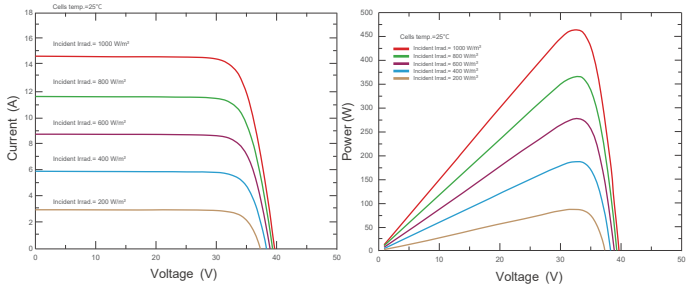
 **SUNKET® - Solar**

SKT425~460M10-108D5

188x182mm 16BB 108Cells Double Glass Bifacial  
N Type Mono Half Cell PV Module Series



Current-Voltage & Power-Voltage Curves (SKT460M10-108D5)



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

Electrical Characteristics (STC)

| Module Type                     | SKT425M10-108D5SKT430M10-108D5SKT435M10-108D5SKT440M10-108D5 SKT445M10-108D5 SKT450M10-108D5 SKT455M10-108D5SKT460M10-108D5 |       |       |       |       |       |       |       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Test Conditions                 | STC                                                                                                                         | STC   | STC   | STC   | STC   | STC   | STC   | STC   |
| Maximum Power- Pmax(W)          | 425                                                                                                                         | 430   | 435   | 440   | 445   | 450   | 455   | 460   |
| Open Circuit Voltage - Voc(V)   | 38.30                                                                                                                       | 38.50 | 38.70 | 38.90 | 39.10 | 39.30 | 39.50 | 39.70 |
| Short- Circuit Current - Isc(A) | 14.06                                                                                                                       | 14.14 | 14.23 | 14.31 | 14.40 | 14.48 | 14.56 | 14.64 |
| Voltage at Pmax -Vmp(V)         | 31.94                                                                                                                       | 32.12 | 32.29 | 32.47 | 32.65 | 32.82 | 33.00 | 33.17 |
| Current at Pmax - Imp(A)        | 13.31                                                                                                                       | 13.39 | 13.47 | 13.55 | 13.63 | 13.71 | 13.79 | 13.87 |
| Module Efficiency -ηm(%)        | 21.27                                                                                                                       | 21.50 | 21.80 | 22.00 | 22.30 | 22.50 | 22.80 | 23.00 |
| 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

\*Measurement tolerance: ±3%    \*Power binning up to: +3%

Mechanical Specifications

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| External Dimensions | 1762×1134×30mm                                          |
| Weight              | 21.5kg                                                  |
| Solar Cells         | N-Type 16BB 182×94mm (2×54pcs)                          |
| 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           |

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     |

Bifacial Output Rear Side Power Gain

\*Take SKT460M10-108D5 as an example.

|                                 |       |       |       |
|---------------------------------|-------|-------|-------|
| Power Gain                      | 5%    | 10%   | 20%   |
| Maximum Power- Pmax(W)          | 483.0 | 506.0 | 552.0 |
| Open Circuit Voltage - Voc(V)   | 39.70 | 39.70 | 39.70 |
| Short- Circuit Current - Isc(A) | 15.30 | 16.02 | 17.48 |
| Voltage at Pmax -Vmp(V)         | 33.17 | 33.17 | 33.17 |
| Current at Pmax - Imp(A)        | 14.56 | 15.25 | 16.64 |

Packing Configuration

|                       |                  |                     |                     |
|-----------------------|------------------|---------------------|---------------------|
| Pallet Dimensions     | 1790×1140×1254mm |                     |                     |
| 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       | 24 Pallets          | 36 Pallets          |
| Pieces per Container  | 962 Pcs          | 864 Pcs             | 1296 Pcs            |