

ULTRA

N TYPE

Fire Class A



High Energy  
Performance



Strengthened  
Mechanical Load



Anti PID



100% Inspection  
25years Guarantee



SMBB Technology  
Half Cut N Type Cell

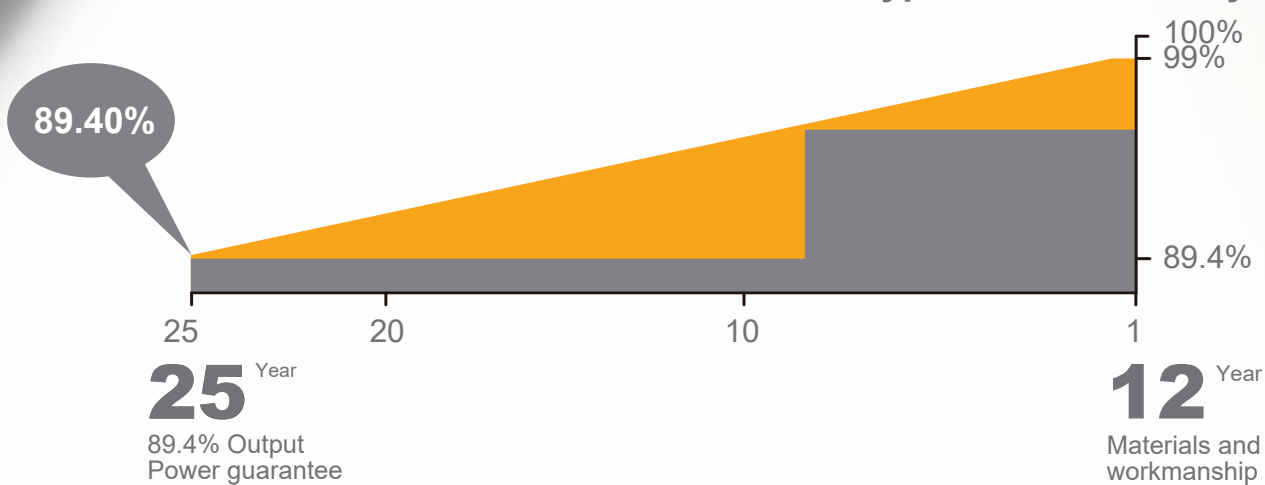


SKT565~585M12-120D3

565~585 Watt

210x182mm 16BB 120Cells All Black  
N Type Mono Half Cell PV Module Series

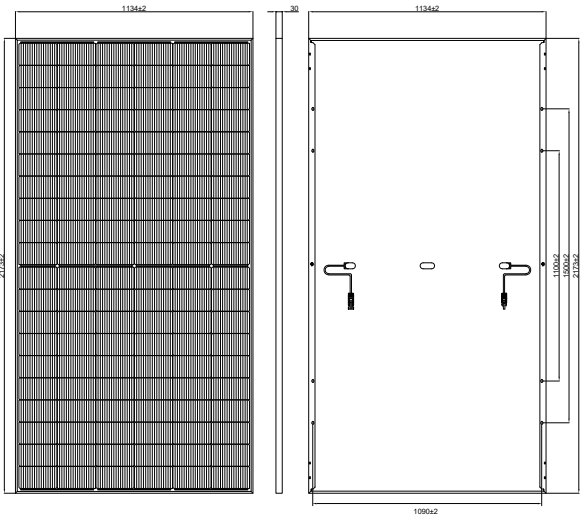
Sunket N Type Linear Warranty



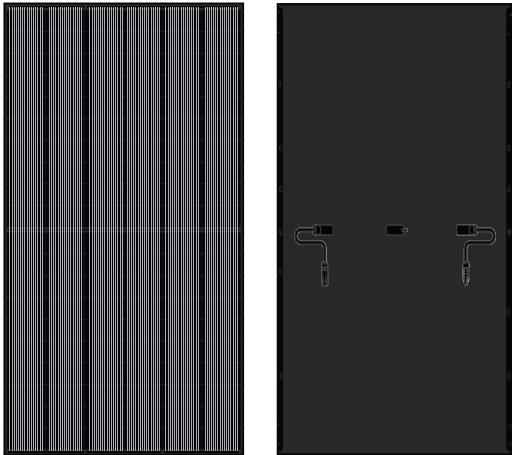
 **SUNKET® - Solar**

SKT565~585M12-120D3

210x182mm 16BB 120Cells All Black  
N Type Mono Half Cell PV Module Series



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



Electrical Characteristics (STC/NMOT)

| Module Type                     | SKT565M12-120D3 |       | SKT570M12-120D3 |       | SKT575M12-120D3 |       | SKT580M12-120D3 |       | SKT585M12-120D3 |       |
|---------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Test Conditions                 | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  |
| Maximum Power- Pmax(W)          | 565             | 426.7 | 570             | 430.4 | 575             | 437.9 | 580             | 437.9 | 585             | 441.7 |
| Open Circuit Voltage - Voc(V)   | 44.64           | 42.38 | 44.82           | 42.55 | 45.01           | 42.72 | 45.19           | 42.89 | 45.38           | 43.06 |
| Short- Circuit Current - Isc(A) | 16.09           | 13.01 | 16.17           | 13.07 | 16.24           | 13.13 | 16.32           | 13.19 | 16.39           | 13.25 |
| Voltage at Pmax -Vmp(V)         | 37.05           | 34.77 | 37.18           | 34.93 | 37.30           | 35.08 | 37.43           | 35.23 | 37.55           | 35.38 |
| Current at Pmax - Imp(A)        | 15.25           | 12.27 | 15.34           | 12.32 | 15.43           | 12.38 | 15.52           | 12.43 | 15.61           | 12.49 |
| Module Efficiency -ηm(%)        | 22.93           | /     | 23.13           | /     | 23.33           | /     | 23.54           | /     | 23.74           | /     |

Power Tolerance(W) (0, +5W)

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  
\*NMOT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s  
\*Measurement tolerance: ±3% \*Power binning up to: +3%

Mechanical Specifications

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| External Dimensions | 2173x1134x30mm                                          |
| Weight              | 25.9kg                                                  |
| Solar Cells         | N-Type 16BB 182x105mm (2x60pcs)                         |
| Front Glass         | AR Coated 3.2 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     | 2203x1140x1254mm |                     |                     |
| 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 | 20 Pallets       | 20 Pallets          | 30 Pallets          |
| Pieces per Container  | 740 Pcs          | 720 Pcs             | 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 (SKT585M12-120D3)

