

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

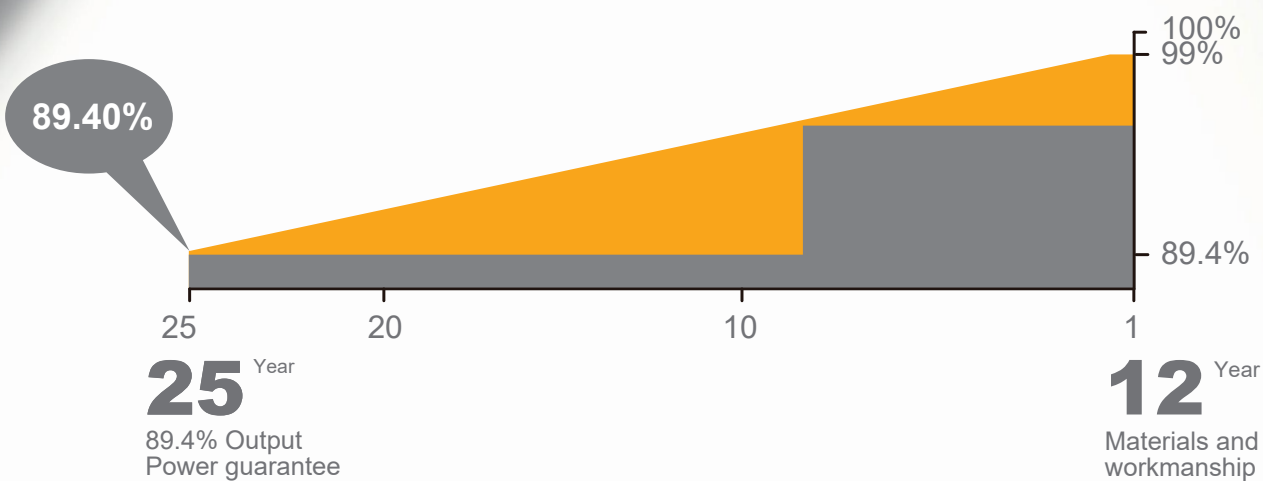


**SKT620~645M12-132D3**

**620~645 Watt**

210x182mm 16BB 132Cells All Black  
N Type Mono Half Cell PV Module Series

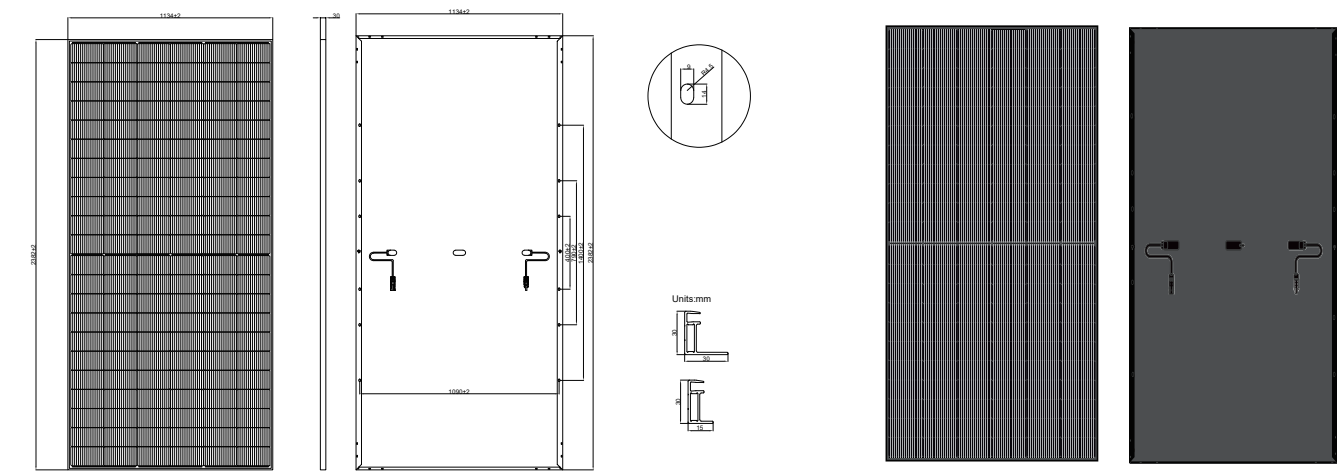
**Sunket N Type Linear Warranty**



 **SUNKET® - Solar**

SKT620~645M12-132D3

210x182mm 16BB 132Cells 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                     | SKT620M12-132D3 |       | SKT625M12-132D3 |       | SKT630M12-132D3 |       | SKT635M12-132D3 |       | SKT640M12-132D3 |       | SKT645M12-132D3 |       |
|---------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Test Conditions                 | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  |
| Maximum Power- Pmax(W)          | 620             | 468.2 | 625             | 471.9 | 630             | 475.7 | 635             | 479.4 | 640             | 483.2 | 645             | 486.9 |
| Open Circuit Voltage - Voc(V)   | 49.10           | 46.62 | 49.30           | 46.81 | 49.50           | 47.00 | 49.70           | 47.19 | 49.90           | 47.38 | 50.10           | 47.57 |
| Short- Circuit Current - Isc(A) | 16.07           | 12.98 | 16.13           | 13.03 | 16.19           | 13.08 | 16.25           | 13.13 | 16.31           | 13.18 | 16.37           | 13.23 |
| Voltage at Pmax -Vmp(V)         | 40.76           | 38.25 | 40.90           | 38.42 | 41.04           | 38.59 | 41.18           | 38.75 | 41.32           | 38.92 | 41.46           | 39.08 |
| Current at Pmax - Imp(A)        | 15.21           | 12.24 | 15.28           | 12.28 | 15.35           | 12.33 | 15.42           | 12.37 | 15.49           | 12.42 | 15.56           | 12.46 |
| Module Efficiency -ηm(%)        | 23.00           | /     | 23.10           | /     | 23.30           | /     | 23.50           | /     | 23.70           | /     | 23.90           | /     |

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 Mass 1.5, Wind Speed 1m/s  
\*Measurement tolerance: ±3% \*Power binning up to: +3%

Mechanical Specifications

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| External Dimensions | 2382x1134x30mm                                          |
| Weight              | 28.5kg                                                  |
| Solar Cells         | N-Type 16BB 182x105mm (2x66pcs)                         |
| 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           |

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     |

Packing Configuration

|                       |                  |                     |                     |
|-----------------------|------------------|---------------------|---------------------|
| Pallet Dimensions     | 1164x1140x2495mm |                     |                     |
| 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       | 19 Pallets          | 28 Pallets          |
| Pieces per Container  | 740 Pcs          | 684Pcs              | 1008 Pcs            |

Current-Voltage & Power-Voltage Curves (SKT645M12-132D3)

