

# N TYPE

SCAN CODE TO  
WATCH VIDEO

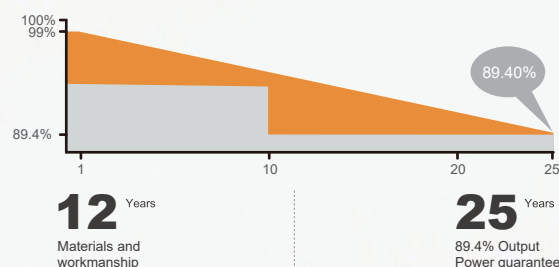


Learn more about the  
production of 182mm  
Mono PV Module

## SKT510~530M10-132S1 510~530 Watt

182mm 16BB 132Cells  
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty



SMBB Technology  
Half Cut N Type Cell



High Energy  
Performance



100% Inspection  
25years Guarantee



Fire Class A



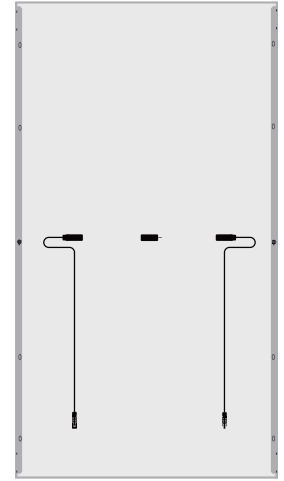
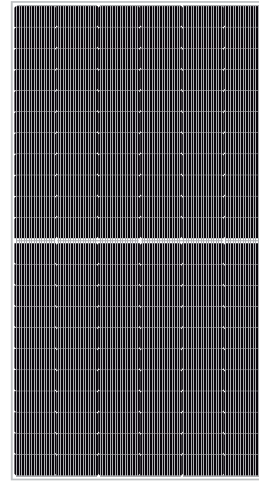
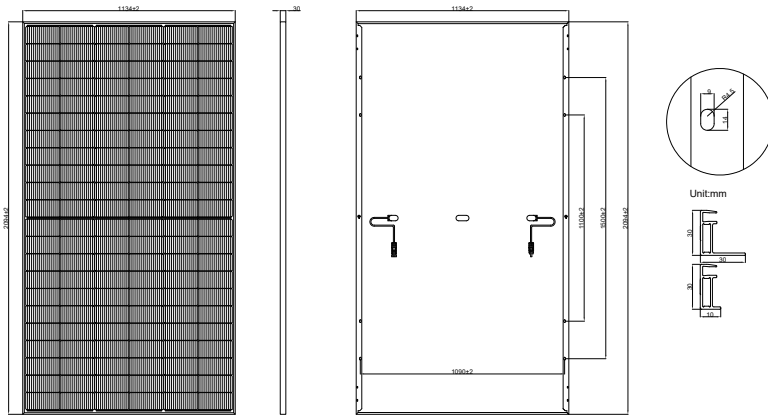
Strengthened  
Mechanical Load



Anti PID



 **SUNKET<sup>®</sup> - Solar**



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

Transparent backsheet is available.  
Bifacial Solar PV Modules can be customized.

## Electrical Characteristics (STC/NOCT)

| Module Type                     | SKT510M10-132S1    |       | SKT515M10-132S1 |       | SKT520M10-132S1 |       | SKT525M10-132S1 |       | SKT530M10-132S1 |       |
|---------------------------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Test Conditions                 | STC                | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  |
| Maximum Power- Pmax(W)          | 510                | 386   | 515             | 389   | 520             | 393   | 525             | 397   | 530             | 401   |
| Open Circuit Voltage - Voc(V)   | 46.31              | 44.10 | 46.50           | 44.29 | 46.69           | 44.48 | 46.88           | 44.67 | 47.07           | 44.86 |
| Short- Circuit Current - Isc(A) | 14.04              | 11.32 | 14.10           | 11.37 | 14.16           | 11.42 | 14.22           | 11.47 | 14.28           | 11.51 |
| Voltage at Pmax -Vmp(V)         | 38.44              | 36.35 | 38.64           | 36.43 | 38.84           | 36.60 | 39.04           | 36.76 | 39.24           | 36.93 |
| Current at Pmax - Imp(A)        | 13.27              | 10.62 | 13.33           | 10.68 | 13.39           | 10.74 | 13.45           | 10.80 | 13.51           | 10.86 |
| Module Efficiency - $\eta$ m(%) | 21.48              | /     | 21.69           | /     | 21.90           | /     | 22.11           | /     | 22.32           | /     |
| Power Tolerance(W)              | (0, +4.99W)        |       |                 |       |                 |       |                 |       |                 |       |
| Maximum System Voltage(V)       | 1500Vdc (IEC / UL) |       |                 |       |                 |       |                 |       |                 |       |
| Maximum Series Fuse Rating (A)  | 25A                |       |                 |       |                 |       |                 |       |                 |       |

\*STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Air Mass 1.5

\*NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Air Mass1.5, Wind Speed 1m/s

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

## Mechanical Specifications

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| External Dimensions | 2094×1134×30mm                                                       |
| Weight              | 26.5kg                                                               |
| Solar Cells         | N-Type 16BB 182mm (2×66pcs)                                          |
| Front Glass         | AR Coated 3.2 mm tempered glass                                      |
| Frame               | Anodized aluminum alloy                                              |
| Junction Box        | IP68                                                                 |
| Output Cables       | 4.0mm <sup>2</sup> ,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(NOCT) | 45±2°C     |

## Packing Configuration

|                       |                  |                     |                     |
|-----------------------|------------------|---------------------|---------------------|
| Pallet Dimensions     | 2125×1140×1254mm |                     |                     |
| 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 | 22 Pallets       | 20 Pallets          | 29 Pallets          |
| Pieces per Container  | 814 Pcs          | 720 Pcs             | 1044 Pcs            |

## Current-Voltage & Power-Voltage Curves (SKT530M10-132S1)

