

N TYPE

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WATCH VIDEO

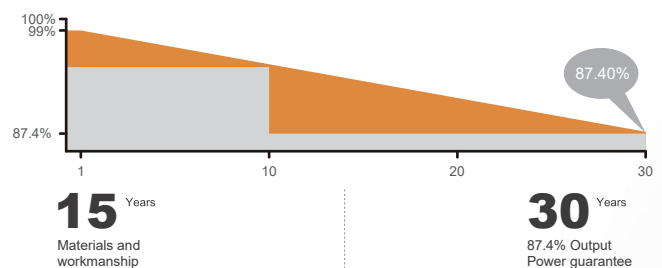


Learn more about the  
production of 210mm  
Mono PV Module

# SKT680~700M12-132D4 680~700 Watt

210mm 132Cells Double Glass Bifacial  
Mono PV Module Series

Sunket N Type Linear Warranty



SMBB Technology  
Half Cut N Type Cell



High Energy  
Performance



100% Inspection  
30years Guarantee



Fire Class A



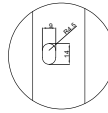
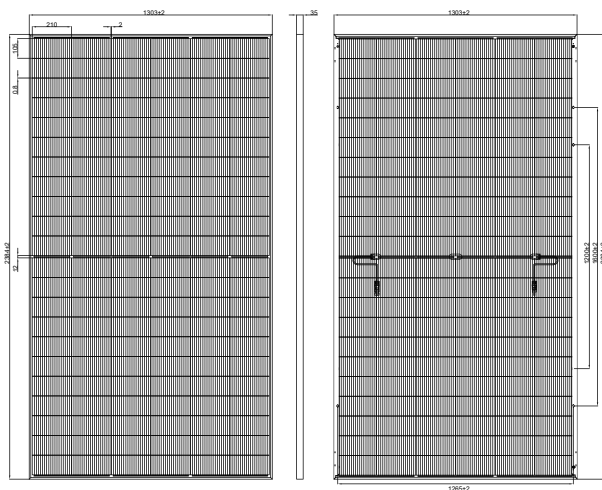
5400Pa  
Strengthened  
Mechanical Load



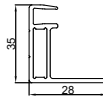
Advanced Bifacial  
Efficiency



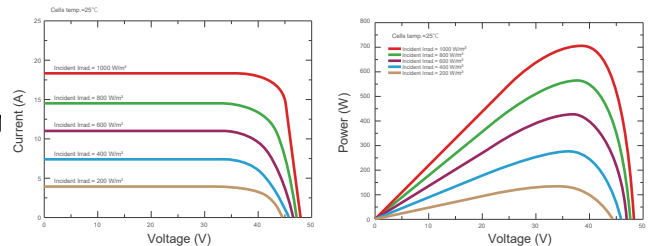
 **SUNKET<sup>®</sup> - Solar**



Unit : mm



Current-Voltage &amp; Power-Voltage Curves (SKT700M12-132D4)



All Dimensions in mm

The above drawing is a graphical representation of the product.

## Electrical Characteristics (STC/NOCT)

| Module Type                     | SKT680M12-132D4    |       | SKT685M12-132D4 |       | SKT690M12-132D4 |       | SKT695M12-132D4 |       | SKT700M12-132D4 |       |
|---------------------------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Test Conditions                 | STC                | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  |
| Maximum Power- Pmax(W)          | 680                | 514   | 685             | 518   | 690             | 522   | 695             | 526   | 700             | 529   |
| Open Circuit Voltage - Voc(V)   | 47.10              | 44.60 | 47.30           | 44.80 | 47.50           | 45.00 | 47.70           | 45.20 | 47.90           | 45.40 |
| Short- Circuit Current - Isc(A) | 18.29              | 14.75 | 18.34           | 14.79 | 18.39           | 14.83 | 18.44           | 14.87 | 18.49           | 14.91 |
| Voltage at Pmax -Vmp(V)         | 39.20              | 37.10 | 39.40           | 37.20 | 39.60           | 37.40 | 39.80           | 37.60 | 40.00           | 37.80 |
| Current at Pmax - Imp(A)        | 17.35              | 13.88 | 17.39           | 13.91 | 17.43           | 13.94 | 17.47           | 13.97 | 17.51           | 14.00 |
| Module Efficiency -ηm(%)        | 21.9               | /     | 22.1            | /     | 22.2            | /     | 22.4            | /     | 22.5            | /     |
| Power Tolerance(W)              | (0, +4.99W)        |       |                 |       |                 |       |                 |       |                 |       |
| Maximum System Voltage(V)       | 1500Vdc (IEC / UL) |       |                 |       |                 |       |                 |       |                 |       |
| Maximum Series Fuse Rating (A)  | 35A                |       |                 |       |                 |       |                 |       |                 |       |

\*STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

\*NOCT : 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 | 2384×1303×35mm                                           |
| Weight              | 37.8kg                                                   |
| Solar Cells         | Mono crystalline 210mm (2×66pcs)                         |
| 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            |

## Bifacial Output Rear Side Power Gain

\*Take SKT685M10-132D4 as an example.

| Power Gain                      | 5%    | 10%   | 25%   |
|---------------------------------|-------|-------|-------|
| Maximum Power- Pmax(W)          | 719.0 | 754.0 | 822.0 |
| Open Circuit Voltage - Voc(V)   | 47.30 | 47.30 | 47.30 |
| Short- Circuit Current - Isc(A) | 19.26 | 20.17 | 22.01 |
| Voltage at Pmax -Vmp(V)         | 39.40 | 39.40 | 39.40 |
| Current at Pmax - Imp(A)        | 18.26 | 19.14 | 28.87 |

## 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     | 1320×1125×2495mm |                     |                     |
| Ways of Transport     | 40'HQ            | 13.5m Flatbed Truck | 17.5m Flatbed Truck |
| Pieces per Pallet     | 31 Pcs           | 31 Pcs              | 31 Pcs              |
| Pallets per Container | 18 Pallets       | 16 Pallets          | 24 Pallets          |
| Pieces per Container  | 558 Pcs          | 496 Pcs             | 744 Pcs             |