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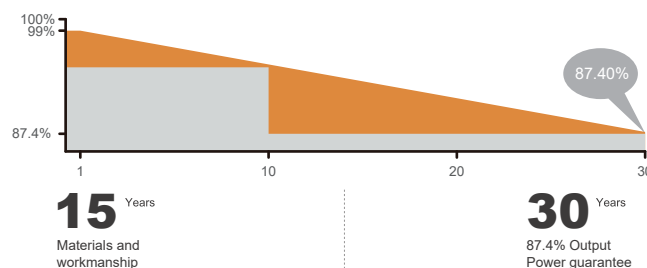


Learn more about the  
production of 182mm  
Mono PV Module

# SKT430~455M10 430~455 Watt

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

Sunket TOPCon Linear Warranty



SBBB Technology  
Half Cut TOPCon Cell



High Energy  
Performance



100% Inspection  
30years Guarantee



Fire Class A

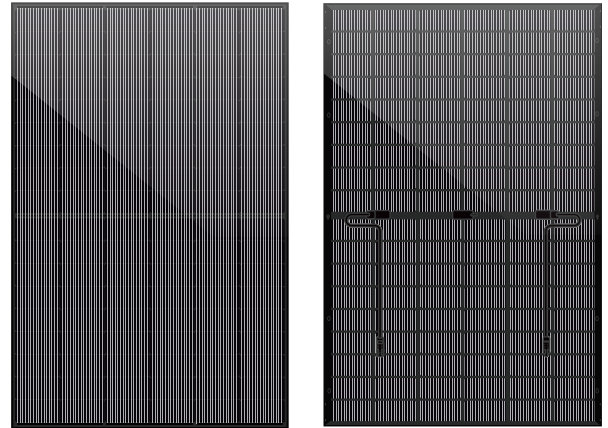
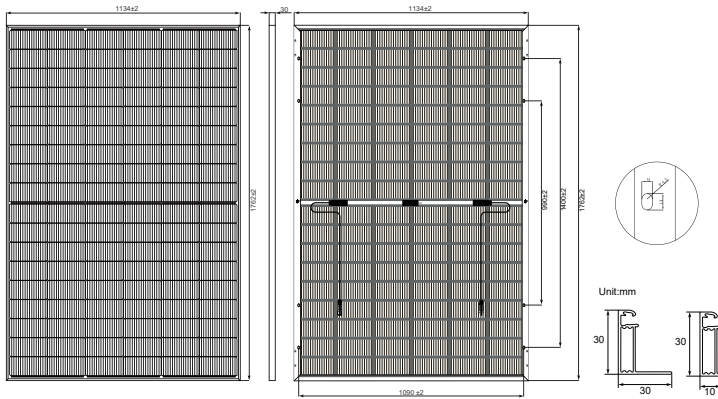


Strengthened  
Mechanical Load



Advanced Bifacial  
Efficiency





All Dimensions in mm  
The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact SUNKET.

## Electrical Characteristics (STC)

| Module Type                     | SKT430M10          | SKT435M10 | SKT440M10 | SKT445M10 | SKT450M10 | SKT455M10 |
|---------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| Front Side                      | STC                | STC       | STC       | STC       | STC       | STC       |
| Maximum Power- Pmax(W)          | 430                | 435       | 440       | 445       | 450       | 455       |
| Open Circuit Voltage - Voc(V)   | 38.50              | 38.70     | 38.90     | 39.10     | 39.30     | 39.50     |
| Short- Circuit Current - Isc(A) | 14.14              | 14.23     | 14.31     | 14.40     | 14.48     | 14.56     |
| Voltage at Pmax -Vmp(V)         | 32.12              | 32.29     | 32.47     | 32.65     | 32.82     | 33.00     |
| Current at Pmax - Imp(A)        | 13.39              | 13.47     | 13.55     | 13.63     | 13.71     | 13.79     |
| Module Efficiency - $\eta$ m(%) | 21.50              | 21.80     | 22.00     | 22.30     | 22.50     | 22.80     |
| Power Tolerance(W)              | (0, +5W)           |           |           |           |           |           |
| Maximum System Voltage(V)       | 1500Vdc (IEC / UL) |           |           |           |           |           |
| Maximum Series Fuse Rating (A)  | 30A                |           |           |           |           |           |

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

## Mechanical Specifications

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| External Dimensions | 1762x1134x30mm                                                       |
| Weight              | 22kg                                                                 |
| Solar Cells         | N-Type 16BB 182x94mm (2x54pcs)                                       |
| Front Glass         | AR Coated 1.6+1.6 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                    | -40~+85°C  |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C     |

## Packing Configuration

|                       |                |
|-----------------------|----------------|
|                       | 1762x1134x30mm |
| Container             | 40'HQ          |
| Pieces per Pallet     | 36             |
| Pallets per Container | 26             |
| Pieces per Container  | 936            |

## Current-Voltage & Power-Voltage Curves (SKT455M10)

