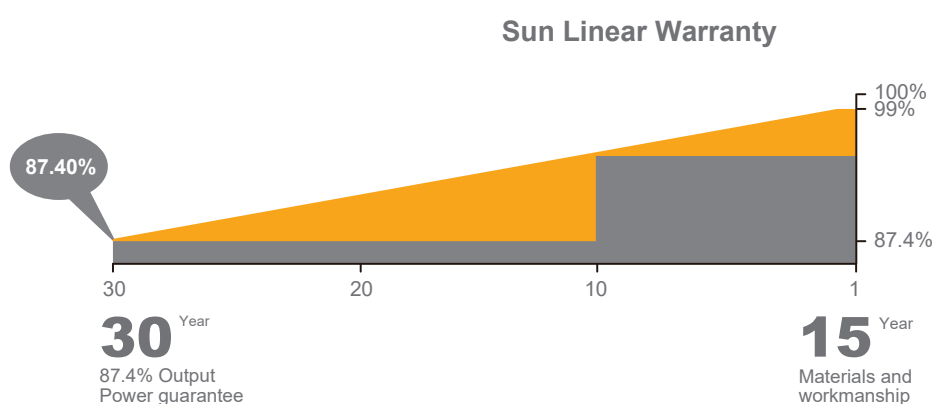




**SKT460M10-120D5**

**460 Watt**

210x182mm 16BB All Black Double Glass Bifacial  
Mono Half Cell PV Module Series



SMBB Technology  
Half Cut Cell



High Energy  
Performance



100% Inspection  
30years Guarantee



Fire Class A



Strengthened  
Mechanical Load

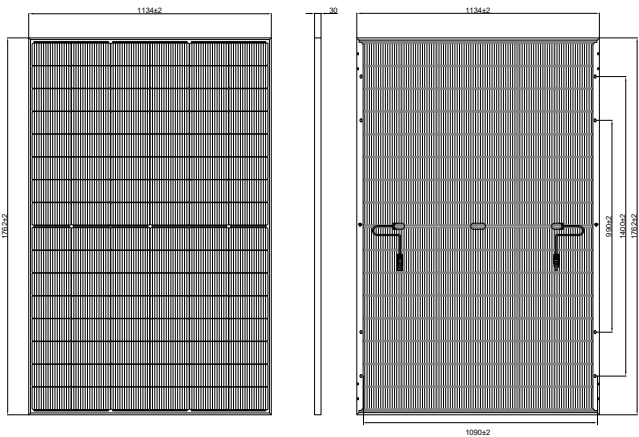


Advanced Bifacial  
Efficiency



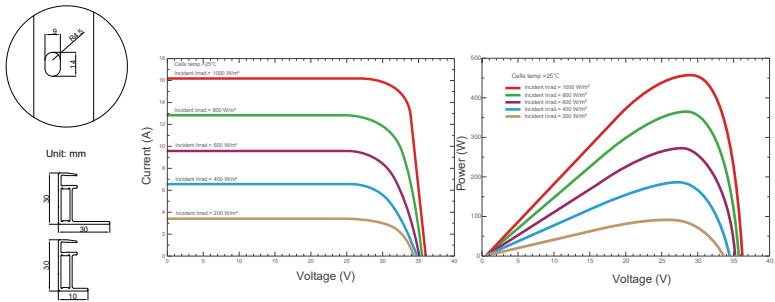
# SKT460M10-120D5

210x182mm 16BB All Black Double Glass Bifacial  
Mono Half Cell PV Module Series



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

## Current-Voltage & Power-Voltage Curves (SKT460M10-120D5)



## Electrical Characteristics (STC/NMOT)

| Module Type                     | SKT460M10-120D5    |       |
|---------------------------------|--------------------|-------|
| Test Conditions                 | STC                | NMOT  |
| Maximum Power- Pmax(W)          | 460                | 347.4 |
| Open Circuit Voltage - Voc(V)   | 35.97              | 34.30 |
| Short- Circuit Current - Isc(A) | 16.23              | 13.01 |
| Voltage at Pmax -Vmp(V)         | 29.89              | 28.15 |
| Current at Pmax - Imp(A)        | 15.39              | 12.34 |
| Module Efficiency -ηm(%)        | 23.02              | /     |
| 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 Mass1.5, Wind Speed 1m/s

## Mechanical Specifications

| External Dimensions | 1762x1134x30mm                                          |
|---------------------|---------------------------------------------------------|
| Weight              | 21.5kg                                                  |
| Solar Cells         | 16BB 182x105mm (2x48pcs)                                |
| Glass               | AR Coated 1.6+1.6 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     |

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

## Bifacial Output Rear Side Power Gain

\*Take SKT460M10-120D5 as an example.

| Power Gain                      | 5%    | 10%   | 20%   |
|---------------------------------|-------|-------|-------|
| Maximum Power- Pmax(W)          | 483.0 | 506.0 | 552.0 |
| Open Circuit Voltage - Voc(V)   | 35.97 | 35.97 | 35.97 |
| Short- Circuit Current - Isc(A) | 16.89 | 17.69 | 19.29 |
| Voltage at Pmax -Vmp(V)         | 29.89 | 29.89 | 29.89 |
| Current at Pmax - Imp(A)        | 16.16 | 16.93 | 18.46 |

## Packing Configuration

| Pallet Dimensions     | 1790x1140x1254mm |                     |                     |
|-----------------------|------------------|---------------------|---------------------|
| 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 | 26 Pallets       | 24 Pallets          | 36 Pallets          |
| Pieces per Container  | 962 Pcs          | 864 Pcs             | 1296 Pcs            |

