

ULTRA TOPCon

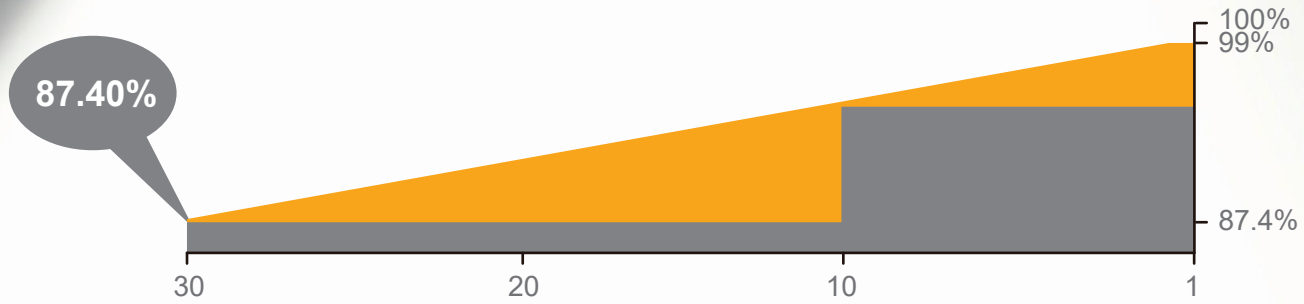
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut TOPCon Cell

## *SKT545~565M12-120D4*

# 545~565 Watt

210x182mm 16BB 120Cells Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series

### Sunket TOPCon Linear Warranty




**30** Year
87.4% Output
Power guarantee

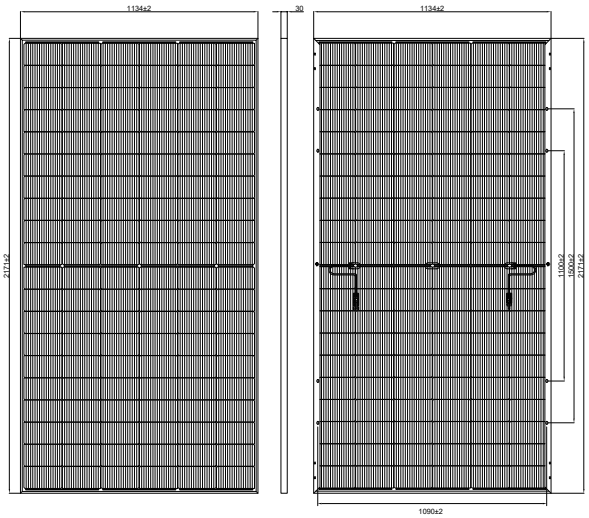
**15** Year
Materials and
workmanship

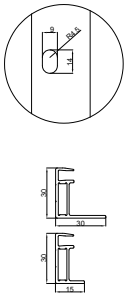
SUNKET® - Solar

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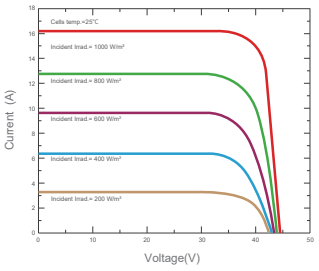
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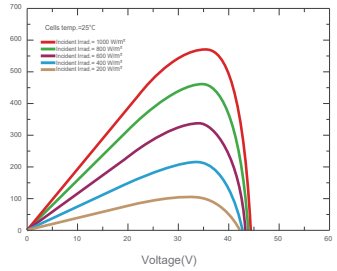




Current-Voltage & Power-Voltage Curves (SKT565M12-120D4)




The above drawing is a graphical representation of the product.

## Electrical Characteristics (STC/NMOT)

| Module Type | SKT545M10-120D4 | | SKT550M10-120D4 | | SKT555M10-120D4 | | SKT560M10-120D4 | | SKT565M10-120D4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Front Side | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power- Pmax(W) | 545 | 411.6 | 550 | 415.4 | 555 | 419.2 | 560 | 422.9 | 565 | 426.7 |
| Open Circuit Voltage - Voc(V) | 43.91 | 41.69 | 44.09 | 41.86 | 44.27 | 42.04 | 44.45 | 42.21 | 44.64 | 42.38 |
| Short- Circuit Current - Isc(A) | 15.82 | 12.78 | 15.88 | 12.83 | 15.94 | 12.89 | 16.02 | 12.95 | 16.09 | 13.01 |
| Voltage at Pmax -Vmp(V) | 36.53 | 34.18 | 36.66 | 34.33 | 36.80 | 34.47 | 36.93 | 34.64 | 37.05 | 34.77 |
| Current at Pmax - Imp(A) | 14.93 | 12.04 | 15.00 | 12.10 | 15.07 | 12.16 | 15.16 | 12.21 | 15.25 | 12.27 |
| Module Efficiency -ηm(%) | 22.14 | / | 22.32 | / | 22.50 | / | 22.73 | / | 22.93 | / |
| 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℃, Air Mass1.5, Wind Speed 1m/s

## Mechanical Specifications

| | |
|---|---|
| External Dimensions | 2173x1134x30mm |
| Weight | 29.5kg |
| Solar Cells | N-Type 16BB 182x105mm (2x60pcs) |
| Front 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

| Power Gain | 5% | 10% | 20% |
|---|---|---|---|
| Maximum Power- Pmax(W) | 593.0 | 622.0 | 678.0 |
| Open Circuit Voltage - Voc(V) | 44.64 | 44.64 | 44.64 |
| Short- Circuit Current - Isc(A) | 16.90 | 17.70 | 19.31 |
| Voltage at Pmax -Vmp(V) | 37.05 | 37.05 | 37.05 |
| Current at Pmax - Imp(A) | 16.01 | 16.77 | 18.30 |

## 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

| | 2173x1134x30mm |
|---|---|
| Container | 40'HQ |
| Pieces per Pallet | 36 |
| Pallets per Container | 20 |
| Pieces per Container | 720 |

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