

ULTRA

# N TYPE

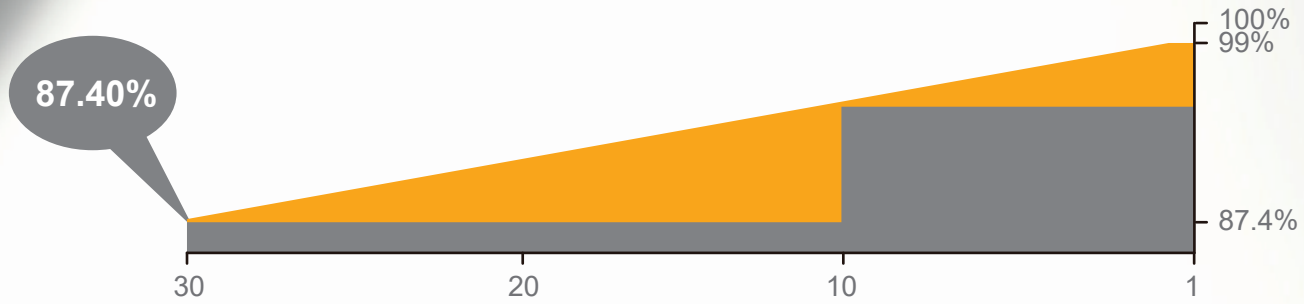
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut N Type Cell

## *SKT505~525M12-108D5*

# 505~525 Watt

210x182mm 16BB 108Cells Double Glass Bifacial
N Type Mono Half Cell PV Module Series

### Sunket N Type Linear Warranty




**30** Year
87.4% Output
Power guarantee

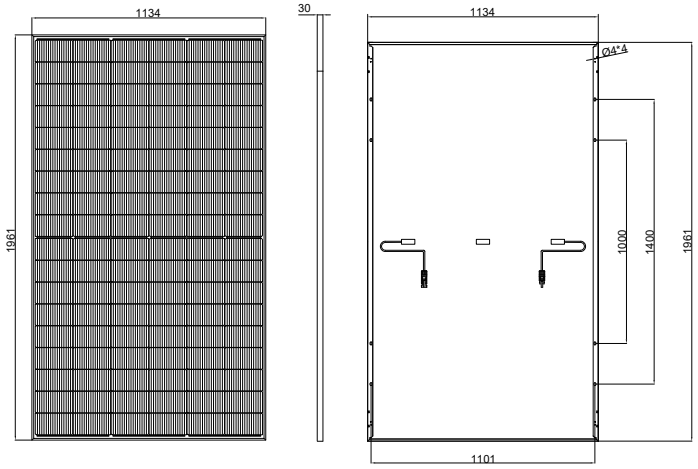
**15** Year
Materials and
workmanship

SUNKET - Solar

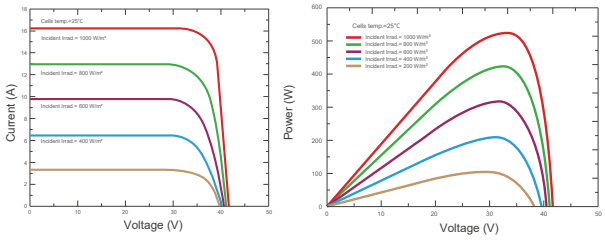
# SKT505~525M12-108D5

210x182mm 16BB 108Cells Double Glass Bifacial
N Type Mono Half Cell PV Module Series

SUNKET - Solar




Current-Voltage & Power-Voltage Curves (SKT525M12-108D5)




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

## Electrical Characteristics (STC/NMOT)

| Module Type | SKT505M12-108D5 | | SKT510M12-108D5 | | SKT515M12-108D5 | | SKT520M12-108D5 | | SKT525M12-108D5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Conditions | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power- Pmax(W) | 505 | 381.3 | 510 | 385.1 | 515 | 388.9 | 520 | 392.7 | 525 | 396.5 |
| Open Circuit Voltage - Voc(V) | 40.09 | 38.00 | 40.28 | 38.16 | 40.47 | 38.32 | 40.66 | 38.48 | 40.85 | 38.64 |
| Short- Circuit Current - Isc(A) | 16.00 | 12.95 | 16.05 | 13.01 | 16.10 | 13.07 | 16.15 | 13.13 | 16.20 | 13.19 |
| Voltage at Pmax -Vmp(V) | 33.33 | 31.15 | 33.48 | 31.28 | 33.63 | 31.41 | 33.78 | 31.54 | 33.93 | 31.67 |
| Current at Pmax - Imp(A) | 15.15 | 12.24 | 15.23 | 12.31 | 15.31 | 12.38 | 15.39 | 12.45 | 15.47 | 12.52 |
| Module Efficiency -ηm(%) | 22.71 | / | 22.93 | / | 23.16 | / | 23.38 | / | 23.61 | / |
| 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
*Measurement tolerance: ±3%　*Power binning up to: +3%

## Mechanical Specifications

| | |
|---|---|
| External Dimensions | 1961x1134x30mm |
| Weight | 23.9kg |
| Solar Cells | N-Type 16BB 182x105mm (2x54pcs) |
| 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 |

## Bifacial Output Rear Side Power Gain

*Take SKT525M12-108D5 as an example.

| Power Gain | 5% | 10% | 20% |
|---|---|---|---|
| Maximum Power- Pmax(W) | 551.3 | 577.5 | 630.0 |
| Open Circuit Voltage - Voc(V) | 40.85 | 40.85 | 40.85 |
| Short- Circuit Current - Isc(A) | 16.97 | 17.77 | 19.38 |
| Voltage at Pmax -Vmp(V) | 33.93 | 33.93 | 33.93 |
| Current at Pmax - Imp(A) | 16.25 | 17.02 | 18.57 |

## 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 |

## Packing Configuration

| Pallet Dimensions | 1980×1140×1254mm | | |
|---|---|---|---|
| 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 | 24 Pallets | 22 Pallets | 34 Pallets |
| Pieces per Container | 888 Pcs | 792 Pcs | 1224 Pcs |

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