

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

## *SKT600-620M12-132D4*

# 600-620 Watt

210x182mm 16BB 132Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

### Sunket N Type Linear Warranty




**30** Year
87.4% Output
Power guarantee

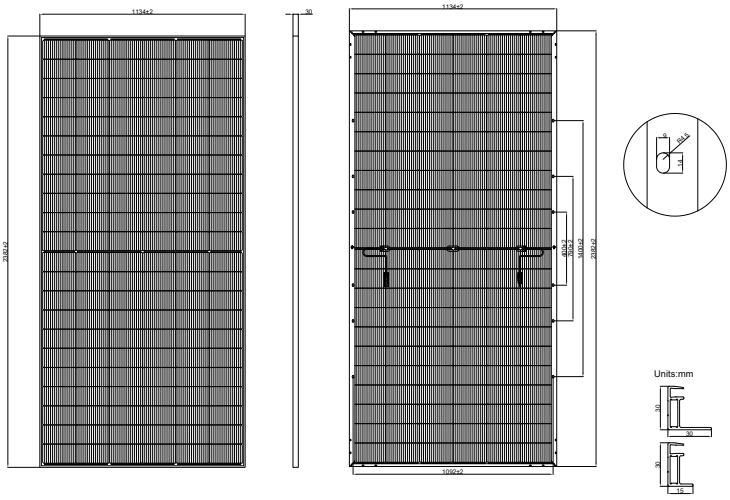
**15** Year
Materials and
workmanship

SUNKET® - Solar

# SKT600-620M12-132D4

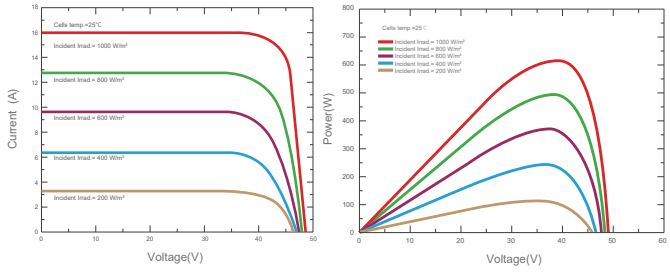
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All Dimensions in mm
The above drawing is a graphical representation of the product.

Current-Voltage & Power-Voltage Curves (SKT620M12-132D4)




## Electrical Characteristics (STC/NMOT)

| Module Type | SKT600M12-132D4 | | SKT605M12-132D4 | | SKT610M12-132D4 | | SKT615M12-132D4 | | SKT620M12-132D4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Conditions | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power- Pmax(W) | 600 | 453.1 | 605 | 456.9 | 610 | 460.7 | 615 | 464.4 | 620 | 468.2 |
| Open Circuit Voltage - Voc(V) | 48.30 | 45.86 | 48.50 | 46.05 | 48.70 | 46.24 | 48.90 | 46.43 | 49.10 | 46.62 |
| Short- Circuit Current - Isc(A) | 15.83 | 12.79 | 15.89 | 12.83 | 15.95 | 12.88 | 16.01 | 12.93 | 16.07 | 12.98 |
| Voltage at Pmax -Vmp(V) | 40.18 | 37.60 | 40.33 | 37.76 | 40.48 | 37.92 | 40.62 | 38.10 | 40.76 | 38.25 |
| Current at Pmax - Imp(A) | 14.93 | 12.05 | 15.00 | 12.10 | 15.07 | 12.15 | 15.14 | 12.19 | 15.21 | 12.24 |
| Module Efficiency -ηm(%) | 22.20 | / | 22.40 | / | 22.60 | / | 22.80 | / | 23.00 | / |
| 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 | 2382x1134x30mm |
| Weight | 32.4kg |
| Solar Cells | N-Type 16BB 182x105mm (2x66pcs) |
| 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

*Take SKT620M12-132D4 as an example.

| Power Gain | 5% | 10% | 20% |
|---|---|---|---|
| Maximum Power- Pmax(W) | 651.0 | 682.0 | 744.0 |
| Open Circuit Voltage - Voc(V) | 49.10 | 49.10 | 49.10 |
| Short- Circuit Current - Isc(A) | 16.87 | 17.67 | 19.28 |
| Voltage at Pmax -Vmp(V) | 40.76 | 40.76 | 40.76 |
| Current at Pmax - Imp(A) | 15.97 | 16.73 | 18.25 |

## 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 | 1164x1140x2495mm | | |
|---|---|---|---|
| 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 | 20 Pallets | 16 Pallets | 25 Pallets |
| Pieces per Container | 740 Pcs | 576 Pcs | 900 Pcs |

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