

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

## *SKT620~645M12-132D3*

# 620~645 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

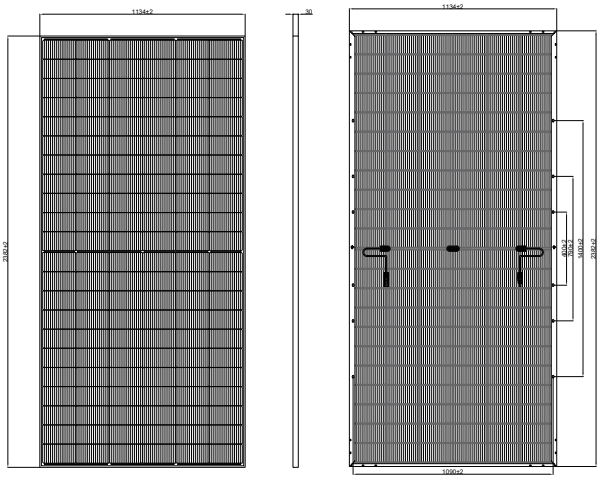
**15** Year
Materials and
workmanship

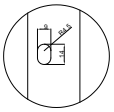
SUNKET - Solar

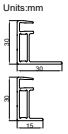
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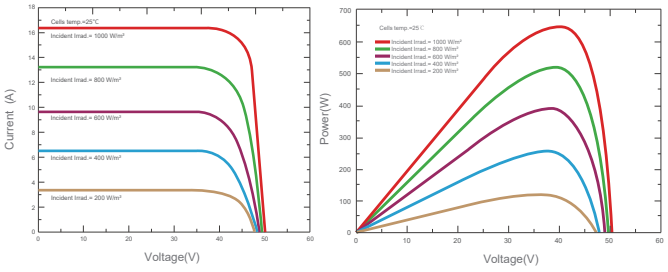
SUNKET - Solar








Current-Voltage & Power-Voltage Curves (SKT645M12-132D3)




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

## Electrical Characteristics (STC/NMOT)

| Module Type | SKT620M12-132D3 | | SKT625M12-132D3 | | SKT630M12-132D3 | | SKT635M12-132D3 | | SKT640M12-132D3 | | SKT645M12-132D3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Conditions | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power- Pmax(W) | 620 | 468.2 | 625 | 471.9 | 630 | 475.7 | 635 | 479.4 | 640 | 483.2 | 645 | 486.9 |
| Open Circuit Voltage - Voc(V) | 49.10 | 46.62 | 49.30 | 46.81 | 49.50 | 47.00 | 49.70 | 47.19 | 49.90 | 47.38 | 50.10 | 47.57 |
| Short- Circuit Current - Isc(A) | 16.07 | 12.98 | 16.13 | 13.03 | 16.19 | 13.08 | 16.25 | 13.13 | 16.31 | 13.18 | 16.37 | 13.23 |
| Voltage at Pmax -Vmp(V) | 40.76 | 38.25 | 40.91 | 38.42 | 41.04 | 38.59 | 41.18 | 38.75 | 41.32 | 38.92 | 41.46 | 39.08 |
| Current at Pmax - Imp(A) | 15.21 | 12.24 | 15.28 | 12.28 | 15.35 | 12.33 | 15.42 | 12.37 | 15.49 | 12.42 | 15.56 | 12.46 |
| Module Efficiency -ηm(%) | 23.00 | / | 23.10 | / | 23.30 | / | 23.50 | / | 23.70 | / | 23.90 | / |
| 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) |
| 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 SKT645M12-132D3 as an example.

| Power Gain | 5% | 10% | 20% |
|---|---|---|---|
| Maximum Power- Pmax(W) | 677.3 | 709.5 | 774.0 |
| Open Circuit Voltage - Voc(V) | 50.10 | 50.10 | 50.10 |
| Short- Circuit Current - Isc(A) | 17.00 | 17.81 | 19.42 |
| Voltage at Pmax -Vmp(V) | 41.46 | 41.46 | 41.46 |
| Current at Pmax - Imp(A) | 16.34 | 17.11 | 18.67 |

## 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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