

TOPCON

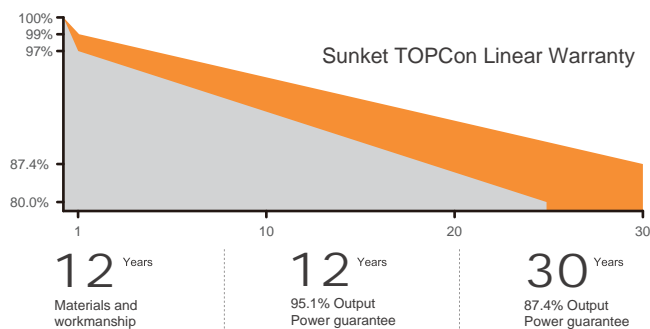
SCAN CODE TO WATCH VIDEO



Learn more about the production of 182mm Mono PV Solar Module

SKT410~430M10-108S3 410~430 Watt

182mm 16BB 108Cells All Black Bifacial
TOPCon Mono Half Cell PV-Module Series



SMBB Technology
Half Cut TOPCon Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

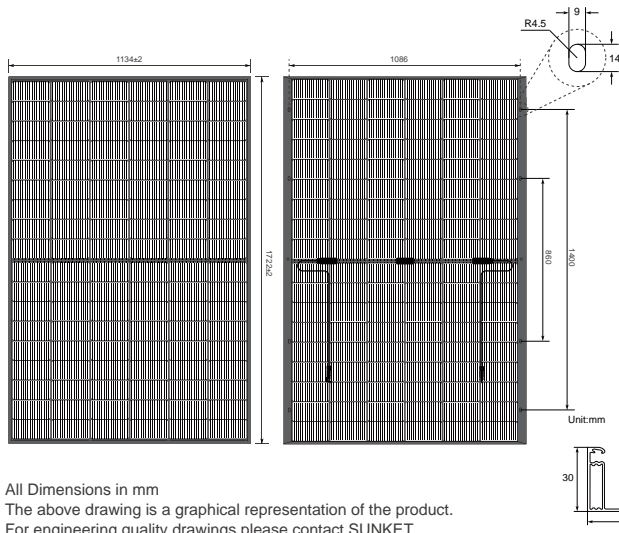


5400Pa
Strengthened
Mechanical Load



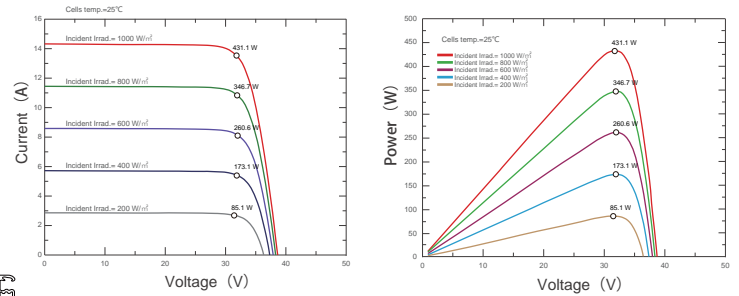
Advanced Bifacial
Efficiency





All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.

Current-Voltage & Power-Voltage Curves (SKT430M10-108S3)



Electrical Characteristics (STC/NOCT)

| Module Type | SKT410M10-108S3 | | SKT415M10-108S3 | | SKT420M10-108S3 | | SKT425M10-108S3 | | SKT430M10-108S3 | |
|---------------------------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Front Side | | | | | | | | | | |
| Maximum Power- Pmax(W) | 410 | 313.5 | 415 | 317.3 | 420 | 321.1 | 425 | 325.0 | 430 | 328.7 |
| Open Circuit Voltage - Voc(V) | 38.20 | 36.30 | 38.33 | 36.40 | 38.46 | 36.50 | 38.59 | 36.60 | 38.72 | 36.80 |
| Short- Circuit Current - Isc(A) | 13.93 | 11.23 | 14.01 | 11.30 | 14.09 | 11.36 | 14.17 | 11.42 | 14.25 | 11.49 |
| Voltage at Pmax -Vmp(V) | 31.59 | 29.60 | 31.78 | 29.70 | 31.96 | 29.90 | 32.15 | 30.00 | 32.33 | 30.20 |
| Current at Pmax - Imp(A) | 12.98 | 10.60 | 13.06 | 10.68 | 13.14 | 10.75 | 13.22 | 10.82 | 13.30 | 10.89 |
| Module Efficiency -ηm(%) | 21.00 | / | 21.30 | / | 21.50 | / | 21.80 | / | 22.00 | / |
| Power Tolerance(W) | (0, +4.99W) | | | | | | | | | |
| Maximum System Voltage(V) | 1500Vdc (IEC / UL) | | | | | | | | | |
| Maximum Series Fuse Rating (A) | 25A | | | | | | | | | |

STC : Irradiance 1000W/m², Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

| | |
|---------------------|--|
| External Dimensions | 1722x1134x30mm |
| Weight | 22kg |
| Solar Cells | N-Type 16BB 182mm (2x54pcs) |
| Front Glass | AR Coated 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0mm ² , 1000mm (+),1000mm (-), length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

Temperature Characteristics

| | |
|--|-------------|
| Pmax Temperature Coefficient | -0.300%/ C |
| Voc Temperature Coefficient | -0.250%/ C |
| Isc Temperature Coefficient | +0.046%/ C |
| Operating Temperature | -40 ~ +85 C |
| Nominal Operating Cell Temperature(NOCT) | 42±2 C |

Bifacial Output Rear Side Power Gain

| Power Gain | 5% | 15% | 25% |
|---------------------------------|-------|-------|-------|
| Maximum Power- Pmax(W) | 441.0 | 483.0 | 525.0 |
| Open Circuit Voltage - Voc(V) | 38.50 | 38.50 | 38.60 |
| Short- Circuit Current - Isc(A) | 14.79 | 16.20 | 17.61 |
| Voltage at Pmax -Vmp(V) | 32.00 | 32.00 | 32.10 |
| Current at Pmax - Imp(A) | 13.80 | 15.11 | 16.43 |

Packing Configuration

| | | |
|-----------------------|----------------|-------|
| | 1722x1134x30mm | |
| Container | 20'GP | 40'HQ |
| Pieces per Pallet | 36 | 36 |
| Pallets per Container | 6 | 26 |
| Pieces per Container | 216 | 936 |