

SKT390~415M10

390~415 Watt

182mm 108Cells PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID



5400Pa
Strengthened
Mechanical Load

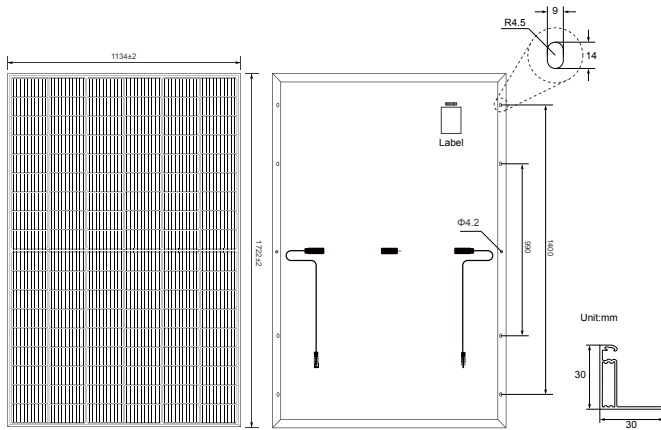


High Density
Packaging

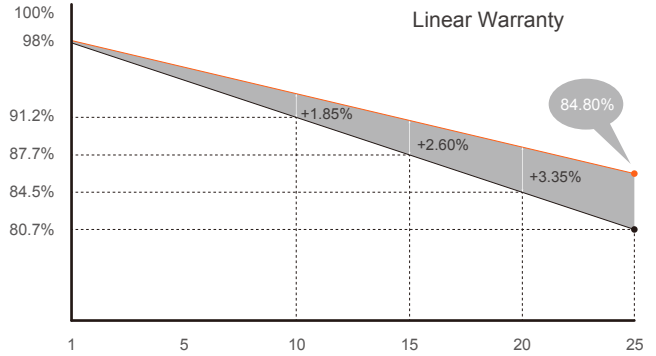


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182mm 108Cells Solar PV Module



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



12 Years

Material & Craft
Qualityassurance

12 Years

90% Output
Power guarantee

25 Years

80% Output
Power guarantee

Electrical Characteristics (STC/NOCT)

| Module Type | SKT390M10 | | SKT395M10 | | SKT400M10 | | SKT405M10 | | SKT410M10 | | SKT415M10 | |
|---------------------------------|--------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power- Pmax(W) | 390 | 294 | 395 | 298 | 400 | 302 | 405 | 306 | 410 | 310 | 415 | 314 |
| Open Circuit Voltage - Voc(V) | 36.85 | 34.62 | 36.98 | 34.75 | 37.07 | 34.88 | 37.23 | 35.12 | 37.32 | 35.23 | 37.45 | 35.37 |
| Short- Circuit Current - Isc(A) | 13.61 | 10.89 | 13.70 | 10.96 | 13.79 | 11.03 | 13.87 | 11.10 | 13.95 | 11.16 | 14.02 | 11.22 |
| Voltage at Pmax -Vmp(V) | 30.64 | 28.87 | 30.84 | 29.08 | 31.01 | 29.26 | 31.21 | 29.47 | 31.45 | 29.72 | 31.61 | 29.89 |
| Current at Pmax - Imp(A) | 12.73 | 10.18 | 12.81 | 10.25 | 12.90 | 10.32 | 12.98 | 10.38 | 13.04 | 10.43 | 13.13 | 10.50 |
| Module Efficiency -ηm(%) | 20.0 | / | 20.2 | / | 20.5 | / | 20.8 | / | 21.0 | / | 21.3 | / |
| 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 | 20.5kg |
| Solar Cells | Mono crystalline 182mm (2x54pcs) |
| Front Glass | AR Coated 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0mm ² , 50cm (+), 50cm (-), length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

Temperature Characteristics

| | |
|--|-------------|
| Pmax Temperature Coefficient | -0.350%/ C |
| Voc Temperature Coefficient | -0.275%/ C |
| Isc Temperature Coefficient | +0.045%/ C |
| Operating Temperature | -40 ~ +85 C |
| Nominal Operating Cell Temperature(NOCT) | 45±2 C |

Packing Configuration

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

Current-Voltage & Power-Voltage Curves (SKT415M10)

