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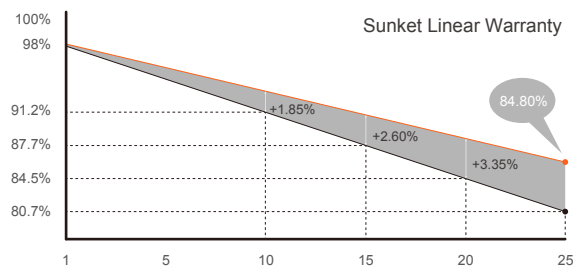


Learn more about the  
production of 210mm  
Mono PV Solar Module

# SKT650~670G12

# 650~670 Watt

210mm 132Cells PV Solar Module



**12** Years  
Material & Craft  
Quality assurance

**12** Years  
90% Output  
Power guarantee

**25** Years  
80% Output  
Power guarantee



MBB PERC  
Half Cut Cell



Excellent Low-light  
Performance



100% Inspection  
Guarantee Reliability



Anti PID

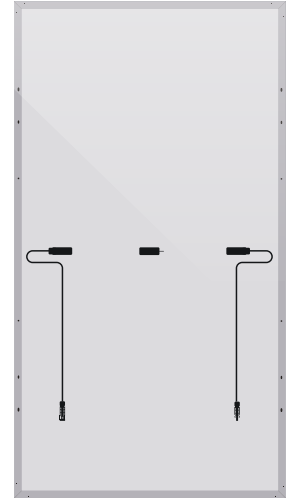
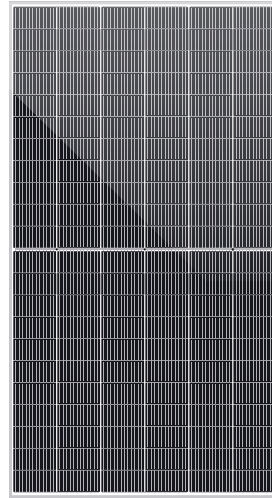
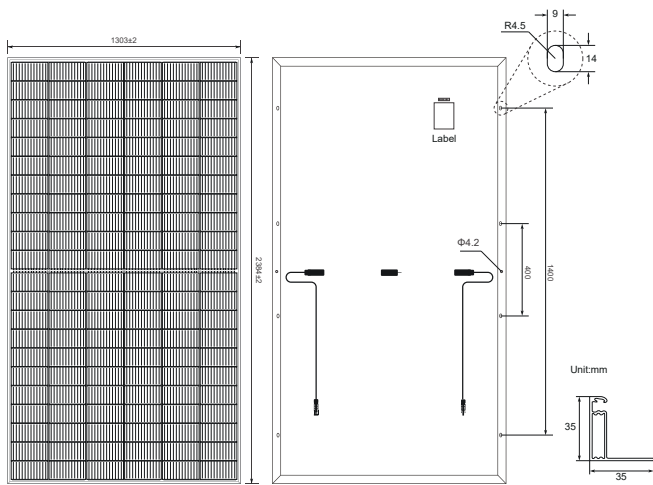


Strengthened  
Mechanical Load



High Density  
Packaging





## Electrical Characteristics (STC/NOCT)

| Module Type                     | SKT650G12          |       | SKT655G12 |       | SKT660G12 |       | SKT665G12 |       | SKT670G12 |       |
|---------------------------------|--------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|                                 | STC                | NOCT  | STC       | NOCT  | STC       | NOCT  | STC       | NOCT  | STC       | NOCT  |
| Maximum Power- Pmax(W)          | 650                | 492.4 | 655       | 496.2 | 660       | 500.0 | 665       | 503.8 | 670       | 507.6 |
| Open Circuit Voltage - Voc(V)   | 45.35              | 42.18 | 45.55     | 42.36 | 45.75     | 42.55 | 45.95     | 42.73 | 46.15     | 42.92 |
| Short- Circuit Current - Isc(A) | 18.23              | 14.95 | 18.28     | 14.99 | 18.33     | 15.03 | 18.38     | 15.07 | 18.43     | 15.11 |
| Voltage at Pmax -Vmp(V)         | 37.76              | 35.04 | 37.94     | 35.21 | 38.12     | 35.38 | 38.30     | 35.54 | 38.48     | 35.71 |
| Current at Pmax - Imp(A)        | 17.22              | 14.05 | 17.27     | 14.09 | 17.32     | 14.13 | 17.37     | 14.17 | 17.42     | 14.21 |
| Module Efficiency -ηm(%)        | 20.9               | /     | 21.1      | /     | 21.2      | /     | 21.4      | /     | 21.6      | /     |
| Power Tolerance(W)              | (0, +4.99W)        |       |           |       |           |       |           |       |           |       |
| Maximum System Voltage(V)       | 1500Vdc (IEC / UL) |       |           |       |           |       |           |       |           |       |
| Maximum Series Fuse Rating (A)  | 30A                |       |           |       |           |       |           |       |           |       |

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

|                     |   |
|---------------------|---|
| External Dimensions | 2384×1303×35mm  |
| Weight              | 33kg  |
| Solar Cells         | Mono crystalline 210mm (2x66pcs)                                  |
| Front Glass         | AR Coated 3.2 mm tempered glass                                   |
| Frame               | Anodized aluminum alloy   |
| Junction Box        | IP68  |
| Output Cables       | 4.0mm <sup>2</sup> , 50cm (+), 50cm (-), length can be customized |
| Connector           | MC4 Compatible  |
| Mechanical Load     | Front Side Max. 5400Pa, Rear Side Max. 2400Pa                     |

## Temperature Characteristics

|  |             |
|--|-------------|
| Pmax Temperature Coefficient             | -0.362%/ C  |
| Voc Temperature Coefficient              | -0.262%/ C  |
| Isc Temperature Coefficient              | +0.042%/ C  |
| Operating Temperature                    | -40 ~ +85 C |
| Nominal Operating Cell Temperature(NOCT) | 45±2 C      |

## Packing Configuration

|                       |                |
|-----------------------|----------------|
| External Dimensions   | 2384×1303×35mm |
| Container             | 40'HQ          |
| Pieces per Pallet     | 31             |
| Pallets per Container | 18             |
| Pieces per Container  | 558            |

## Current-Voltage & Power-Voltage Curves (SKT670G12)

