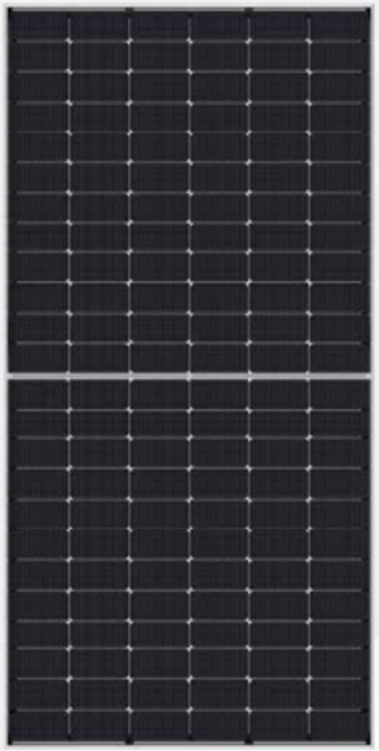
NEW

# T-610M72



## N-TOPCon Technology

**22.65%**
Maximum Conversion Efficiency

**610W**
Maximum Power of Componen

**2278×1134×30mm**
Component dimensions

IEC 61215 / IEC 61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System

## 0-±3%

Output power is guaranteed to be within a positive tolerance of 0-3%

## Lower Electricity Cost

High-quality silicon wafer guarantee, high-power component output, and excellent cost-performance advantages make it the ideal choice for large-scale power stations.

## Strict Quality Control

3 times EL test, ensure the best quality

## Technical Parameters

AVCON

| Product Specifications | |
|---|---|
| Cell type | N-type monocrystalline silicon cell |
| Cell sheet size | 182×182mm |
| Half-cell battery quantity | 144(2×72) |
| Component weight | 28kg(±3%) |
| Component dimensions | 2278×1134×30mm |
| Output wire | 4.0mm Positive: 300mm Negative: 300mm, cable length customizable |
| Upper surface glass material | 3.2mm high-transmittance, coated tempered glass |
| Frame | Anodized aluminum alloy |
| Junction box | Protection Grade IP68 |
| Connector type | MC4 compatible connector |
| Mechanical load | Front: 5400Pa/Back: 2400Pa |

| Working Conditions | |
|---|---|
| Maximum system voltage (M) | 1000/1500VDC (IEC) |
| Maximum power temperature coefficient (Pmax) | -0.30%/°C |
| Open circuit voltage temperature coefficient (Voc) | -0.25%/°C |
| Open circuit Voltage temperature coefficient (Isc) | 0.046%/°C |
| Rated operating cell temperature | 45±2°C |
| Operating temperature range | -40℃ to +85℃ |
| Maximum rated current of the fuse wire | 25A |

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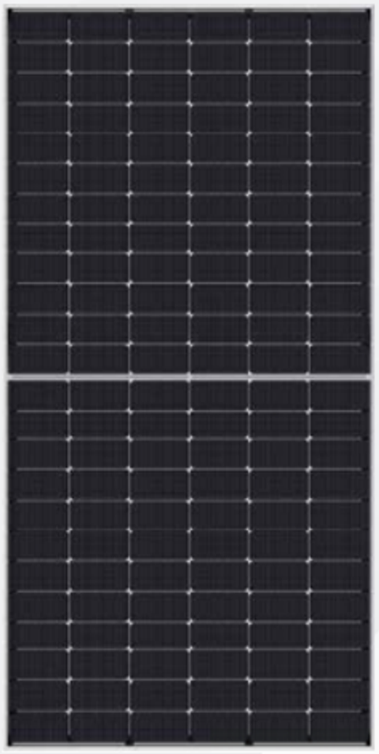
# T-610M72



## N-TOPCon Technology

**22.65%**
Maximum Conversion Efficiency

**610W**
Maximum Power of Componen

**2278×1134×30mm**
Component dimensions

12 years material and process warranty
30 years linear warranty

## Fusion Half-Cut Multi-Busbar Technology

New circuit design, reducing the impact of shadowing on the power generation performance of components to the lowest, optimizing light utilization rate and current collection capability, effectively enhancing product power output and reliability

## Outstanding PID Resistance

Guarantee mass production through PID test, significantly reduce the attenuation caused by PID through optimizing battery process

## Excellent Low Light Performance

Using high-transmittance coated glass and velvetizing technology on the surface of the battery cells to achieve excellent performance in low-light environments

## Technical Parameters

AVCON

| Electrical Performance Parameters \| STC | | | | |
|---|---|---|---|---|
| Maximum power (Pmax) [W] | 585 | 590 | 595 | 600 |
| Maximum power point operating voltage (Vmp) [V] | 42.52 | 4267 | 42.82 | 42.97 |
| Maximum power point operating current (Imp) [A] | 13.76 | 13.83 | 13.90 | 13.97 |
| Open circuit voltage (Voc) [V] | 51.16 | 51.30 | 51.44 | 51.58 |
| Short-circuit current (Isc) [A] | 14.55 | 14.63 | 14.71 | 14.79 |
| Component efficiency [%] | 22.65 | 22.85 | 23.05 | 23.25 |

STC: Light intensity 1000W/m2 module temperature 25°C AM=1.5

| Electrical Performance Parameters \| NOCT | | | | |
|---|---|---|---|---|
| Maximum power (Pmax) [W] | 565 | 570 | 575 | 580 |
| Maximum power point operating voltage (Vmp) V] | 41.92 | 42.07 | 42.22 | 42.37 |
| Operating current at maximum power point (Imp) [A] | 13.48 | 13.55 | 13.62 | 13.69 |
| Open circuit voltage (Voc) [V] | 50.60 | 50.74 | 50.88 | 51.02 |
| Short-circuit current (Isc) [A] | 14.23 | 14.31 | 14.39 | 14.47 |

NOCT: Light intensity 800W/m2 module temperature 20°C wind speed: 1m/s

| Packaging Method | |
|---|---|
| Per pallet quantity | 36 pieces per pallet |
| 17.5m flatbed truck loading capacity | 1008 pieces |