

# Jupiter

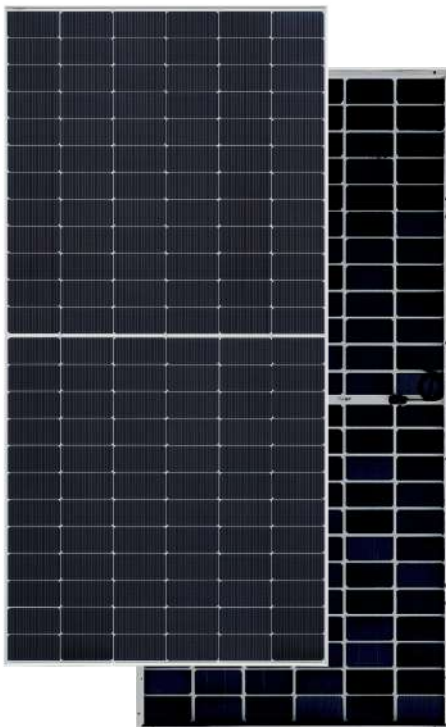
## HT72-18X (ND)-F Double Glass

High Efficiency Lower LID and TOPCon cell with Half-cut Technology

Big Size : Cell 182 × 91.875mm Monocrystalline

**570W / 575W**

**580W / 585W / 590W**



### 10-30% Additional Power Generation

10-30% additional power generation comparing with conventional P-type module



### Lower LID (Light Induced Degradation)

N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance



### Lower LCOE

Higher power output and lower BOS cost



### Better Weak Illumination Response

Higher power output even under low-light environment



### Better Temperature Coefficient

Higher power generation under normal working conditions



### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

- Module Efficiency  
**22.8%**
- No. of Cells  
**144(6 × 24)**
- Weight  
**32.0±0.5kg**
- Dimensions  
**2278 × 1134 × 30mm**

## Comprehensive and First-rate Certification System

IEC61215: 2021. IEC61730: 2023. UL61730: 2017. IEC62804: 2015  
ISO9001 ISO14001 and ISO45001



## Electrical Characteristics

| Module                          | HT72-18X (ND)-F     |         |         |         |        |
|---------------------------------|---------------------|---------|---------|---------|--------|
| Maximum Power at STC (Pmax)     | 570W                | 575W    | 580W    | 585W    | 590W   |
| Open - Circuit Voltage (Voc)    | 50.90V              | 51.10V  | 51.30V  | 51.50V  | 51.70V |
| Short - Circuit Current (Isc)   | 14.23A              | 14.31A  | 14.39A  | 14.47A  | 14.55A |
| Optimum Operating Voltage (Vmp) | 42.70V              | 42.90V  | 43.10V  | 43.30V  | 43.50V |
| Optimum Operating Current (Imp) | 13.11 A             | 13.11 A | 13.17 A | 13.17 A | 13.59A |
| Module efficiency               | 22.1%               | 22.3%   | 22.5%   | 22.6%   | 22.8%  |
| Power Tolerance                 | 0 ~ +3%             |         |         |         |        |
| Maximum System Voltage          | 1500V DC (UL / IEC) |         |         |         |        |
| Maximum Series Fuse Rating      | 25A                 |         |         |         |        |
| Operating Temperature           | -40 °C to +85 °C    |         |         |         |        |

\* STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

## NMOT

| Module                          | HT72-18X (ND)-F (Bifaciality 80±10%) |        |        |        |        |
|---------------------------------|--------------------------------------|--------|--------|--------|--------|
| Maximum Power                   | 433W                                 | 437W   | 441W   | 445W   | 449W   |
| Open - Circuit Voltage (Voc)    | 48.90V                               | 49.10V | 49.20V | 49.40V | 49.60V |
| Short - Circuit Current (Isc)   | 11.47A                               | 11.53A | 11.60A | 11.66A | 11.73A |
| Optimum Operating Voltage (Vmp) | 41.00V                               | 41.20V | 41.40V | 41.60V | 41.70V |
| Optimum Operating Current (Imp) | 10.56A                               | 10.61A | 10.65A | 10.70A | 10.77A |
| NMOT                            | 45±2 °C                              |        |        |        |        |

\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

|                         |  |
|-------------------------|--|
| Solar Cells             | Monocrystalline 182 × 91.875mm                                   |
| No. of Cells            | 144(6 × 24)  |
| Dimensions              | 2278 × 1134 × 30mm   |
| Weight                  | 32.0±0.5kg   |
| Front Glass             | High transmission tempered glass; thickness;2.0mm                |
| Frame                   | Anodized aluminium alloy   |
| Junction Box            | IP68   |
| Cable                   | 4mm <sup>2</sup> (UL / IEC) length : ±1200mm / customized length |
| Connectors              | MC4-EVO2/MC4 compatible  |
| Packaging Configuration | 36pcs / box, 720pcs / 40'HQ container                            |

## Temperature Characteristics

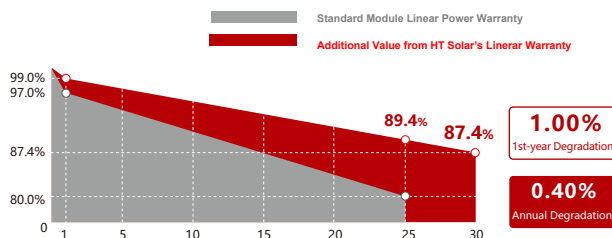
|                                 |            |
|---------------------------------|------------|
| Temperature Coefficient of Pmax | -0.29%/°C  |
| Temperature Coefficient of Voc  | -0.23%/°C  |
| Temperature Coefficient of Isc  | +0.046%/°C |

## Warranty

**15 - years**  
product warranty

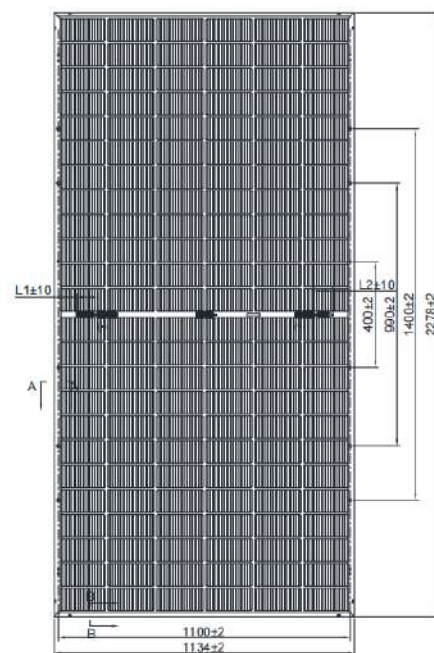
**30 - years**  
warranty on power output

Specific information is referred to  
the product quality guarantee



The module recycling should be carried out by the professional institutions at the end of module life cycle

## Engineering Drawing



## IV Curves

