

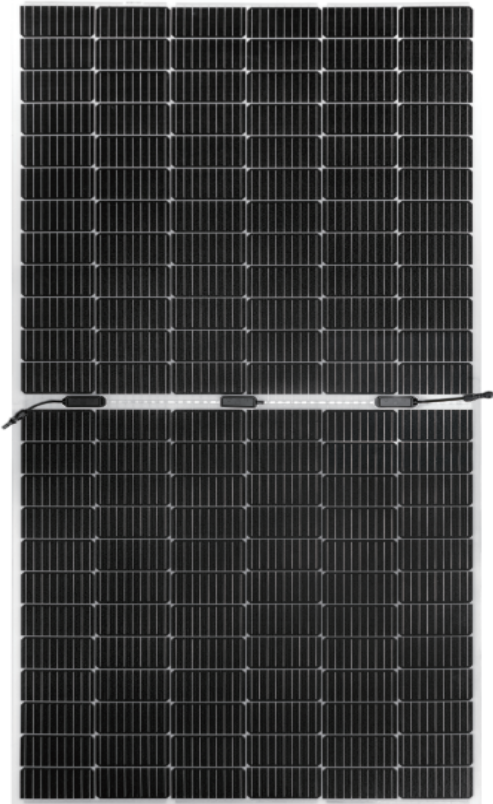
# MULTIWAY+

## HT72-18X(Lm)

High Efficiency Low LID with Half-cut Technology  
Big Size : Cell 182mm × 91mm Monocrystalline

**510W / 515W**

**520W / 525W / 530W**



- Module Efficiency  
**20.4%**
- No.of Cells  
**144(6 × 24)**
- Weight  
**7.5±0.5Kg**
- Dimensions  
**2297mm × 1131mm × 3mm**

### Fast-Installation

Through faster installation, requires no penetration, reduces time on roof and saves installation costs.

### Safety

Integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.

### Ultra-light

Glass free module weighs 7.5kg, 70% lighter than conventional glass modules.

### Flexibility

The biggest advantage of flexible photovoltaic modules is that they can be bent and folded, which allows them to adapt to more application scenarios.

### Comprehensive and First-rate Certification System

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



## Electrical Characteristics

| Module                          | HT72-18X (Lm)       |        |        |        |        |
|---------------------------------|---------------------|--------|--------|--------|--------|
| Maximum Power at STC (Pmax)     | 510W                | 515W   | 520W   | 525W   | 530W   |
| Open - Circuit Voltage (Voc)    | 49.30V              | 49.45V | 49.60V | 49.75V | 49.90V |
| Short - Circuit Current (Isc)   | 13.50A              | 13.56A | 13.63A | 13.70A | 13.76A |
| Optimum Operating Voltage (Vmp) | 40.75V              | 40.90V | 41.05V | 41.20V | 41.35V |
| Optimum Operating Current (Imp) | 12.54A              | 12.61A | 12.68A | 12.75A | 12.83A |
| Module efficiency               | 19.6%               | 19.8%  | 20.0%  | 20.2%  | 20.4%  |
| Power Tolerance                 | 0 ~ + 5W            |        |        |        |        |
| 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 (Lm) |        |        |        |        |
|---------------------------------|---------------|--------|--------|--------|--------|
| Maximum Power                   | 381.7W        | 385.2W | 388.7W | 392.3W | 396.1W |
| Open - Circuit Voltage (Voc)    | 46.0V         | 46.1V  | 46.3V  | 46.4V  | 46.5V  |
| Short - Circuit Current (Isc)   | 10.9A         | 10.95A | 11.01A | 11.06A | 11.11A |
| Optimum Operating Voltage (Vmp) | 37.5V         | 37.6V  | 37.8V  | 37.9V  | 38.1V  |
| Optimum Operating Current (Imp) | 10.18A        | 10.23A | 10.29A | 10.35A | 10.4A  |
| 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 × 91mm   |
| No.of Cells             | 144(6 × 24)  |
| Dimensions              | 2297mm × 1131mm × 3 mm   |
| Weight                  | 7.5±0.5kg  |
| Frame                   | Framless   |
| Junction Box            | IP68   |
| Cable                   | 4mm <sup>2</sup> (UL / IEC) length: 400mm (+,-) / length can be customized |
| Connectors              | MC4/MC4 Compatible   |
| Packaging Configuration | 58pcs / box  |

## Temperature Characteristics

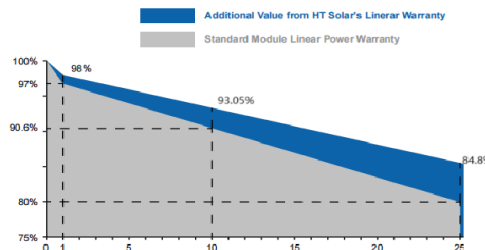
|                                 |            |
|---------------------------------|------------|
| Temperature Coefficient of Pmax | -0.35%/°C  |
| Temperature Coefficient of Voc  | -0.26%/°C  |
| Temperature Coefficient of Isc  | +0.047%/°C |

## Warranty

**12 - years**  
product warranty

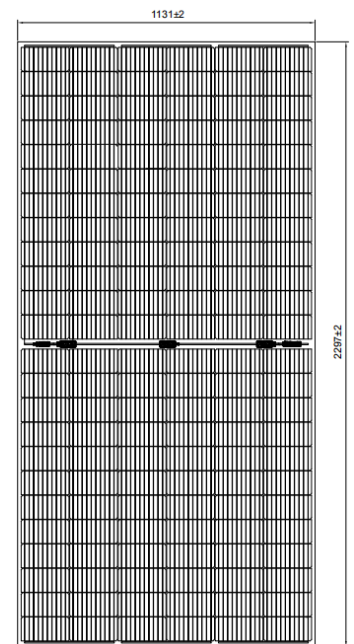
**25 - years**  
warranty on power output

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

