

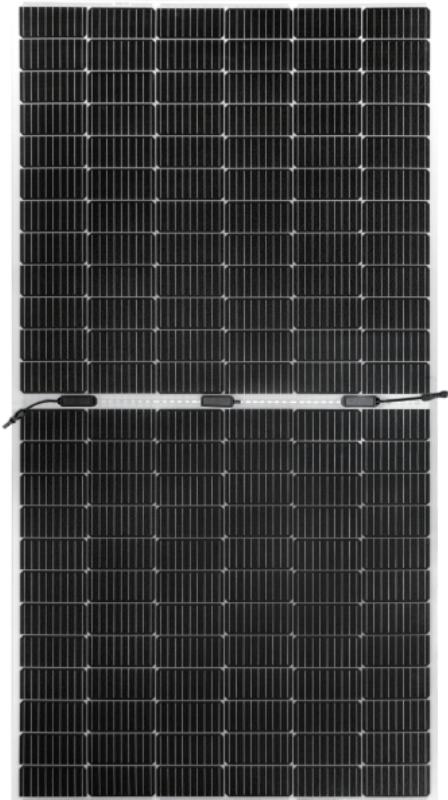
# MULTIWAY+

## HT72-166 (Lm)

High Efficiency Low LID with Half-cut Technology  
Big Size : Cell 166mm × 83mm Monocrystalline

**430W / 435W**

**440W / 445W / 450W**



- Module Efficiency  
**20.6%**
- No.of Cells  
**144(6 × 24)**
- Weight  
**6.3±0.5Kg**
- Dimensions  
**2105mm × 1035mm × 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 6.3kg, 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	HT72-166 (Lm)				
Maximum Power at STC (Pmax)	430W	435W	440W	445W	450W
Open - Circuit Voltage (Voc)	49.60V	49.70V	49.80V	49.90V	50.00V
Short - Circuit Current (Isc)	11.36A	11.48A	11.60A	11.72A	11.83A
Optimum Operating Voltage (Vmp)	40.5V	40.7V	40.9V	41.0V	41.1V
Optimum Operating Current (Imp)	10.60A	10.69A	10.77A	10.86A	10.96A
Module efficiency	19.8%	20.0%	20.2%	20.4%	20.6%
Power Tolerance	0 ~ + 5W				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	20A				
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

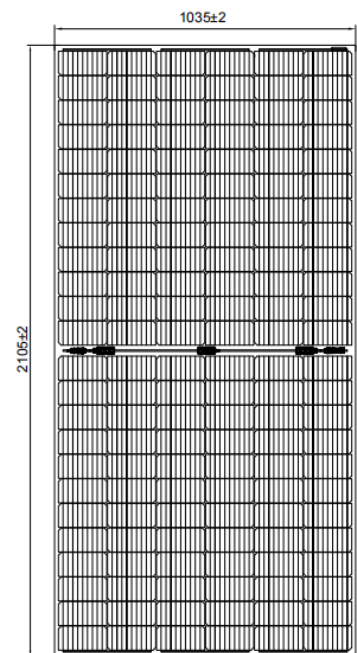
Module	HT72-166 (Lm)				
Maximum Power	329.6W	333.9W	338.2W	342.5W	346.9W
Open - Circuit Voltage (Voc)	46.18V	46.36V	46.43V	46.61V	46.67V
Short - Circuit Current (Isc)	9.26A	9.35A	9.45A	9.54A	9.64A
Optimum Operating Voltage (Vmp)	37.8V	37.9V	38.0V	38.1V	38.2V
Optimum Operating Current (Imp)	8.72A	8.81A	8.90A	8.99A	9.08A
NMOT	45±2 C				

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

## Mechanical Characteristics

Solar Cells	Monocrystalline 166 × 83mm
No.of Cells	144(6 × 24)
Dimensions	2105mm × 1035mm × 3 mm
Weight	6.3±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

## Engineering Drawing



## Temperature Characteristics

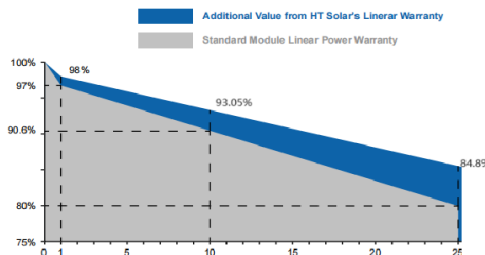
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Isc	+0.045%/°C

## 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

## IV Curves

