

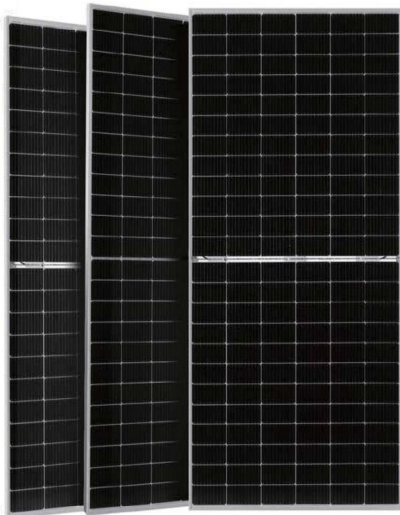
# FE72-166M

High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 166\*83 Monocrystalline

**440W / 445W**  
**450W / 455W / 460W**



- **Module Efficiency:**  
21.2%
- **No. of Cells:**  
144 (6 x 24)
- **Weight:**  
23.5kg
- **Dimensions:**  
2094mmx1038mmx35mm



Jiangsu Xiehang New Energy Intelligent Equipment Co.Ltd  
www.xiehangenergy.com

Factory: HT FELLOW ENERJI A.Ş.  
Factory: CHEN GUNES ENERJISI SANAYI VE  
TICARET LIMITED SIRKETI



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production. Low LID Bifacial PERC with Half-cut Technology



9BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

**12Ys**

Products Warranty



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BOS costs

**25Ys**

Warranty on power output



**EL**

Microcrack resistant highperformance transparent backsheets structure enhance reliability, triple EL tested of high quality control.

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.



Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400Pa)

**5W**

Positive tolerance 0/+5W guaranteed

**PID**

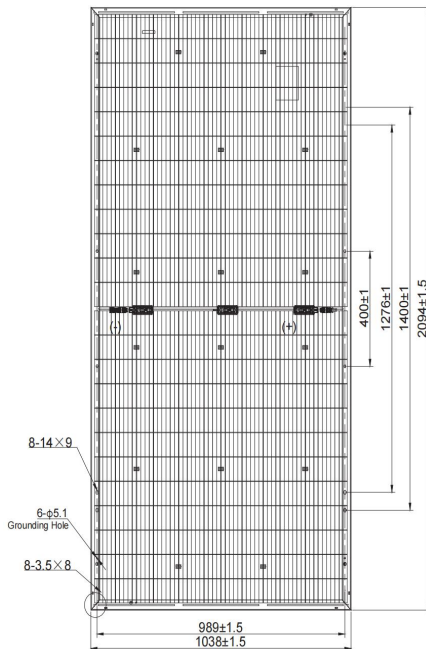
PID Resistant

### Comprehensive and first-rate certification system

IEC61215 : 2016. IEC61730 : 2016 Latest Standard and UL 61730 Latest Standard, ISO9001 ISO14001 and ISO45001, meeting the highest international standards Strict quality control



### Engineering Drawing



### Electrical Characteristics (STC)

Module Type	FE72-166M				
Maximum Power(Pmax)	440W	445W	450W	455W	460W
Open Circuit Voltage(Voc)	49.8V	49.9V	50.0V	50.1V	50.2V
Short Circuit Current(Isc)	11.60A	11.72A	11.83A	11.96A	12.06A
Maximum Power Voltage(Vmp)	40.9V	41.0V	41.1V	41.2V	41.3V
Maximum Power Current(Imp)	10.77A	10.86A	10.96A	11.06A	11.15A
Module Efficiency(%)	20.9%	21.2%	21.4%	20.9%	21.2%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40°C TO +85°C				

\*STC: AM 1.5, Irradiance 1000W/m<sup>2</sup>, module temperature 25°C

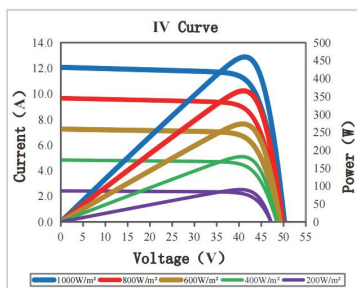
### Electrical Characteristics(NMOT)

Module Type	FE72-166M				
Maximum Power(Pmax)	326W	330W	334W	338W	342W
Open Circuit Voltage(Voc)	47.1V	47.3V	47.5V	47.7V	47.9V
Short Circuit Current(Isc)	9.35A	9.42A	9.49A	9.56A	9.63A
Maximum Power Voltage(Vmp)	38.7V	38.9V	39.1V	39.3V	39.5V
Maximum Power Current(Imp)	8.43A	8.49A	8.56A	8.62A	8.66A

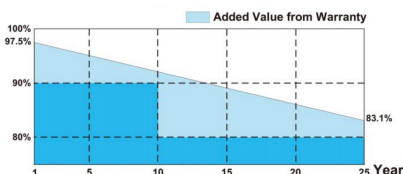
\*NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### IV Curves

Current-Voltage & Power-Voltage Curve



### Warranty



12-year product warranty

25-year warranty on power output

\*Specific information is referred to the product quality guarantee

Temperature Coefficient of Pmax	γ(Pm)	- 0.350%/°C
Temperature Coefficient of Voc	β(Voc)	- 0.275%/°C
Temperature Coefficient of Isc	α(Isc)	+0.045%/°C

Solar Cells Monocrystalline 166 x 83mm

No. of Cells 144 ( 6×24 )

Dimensions 2094mm×1038mm×35mm

Weight 23.5kg

Front Glass High transmission tempered glass

Frame Anodized aluminum alloy

Junction Box IP68

Cable 4mm<sup>2</sup>(IEC)Length: (+)400mm, (-)200mm/length can be customized

Connectors MC4/MC4 Compatible

Packaging Configuration 31 pcs/box: 682pcs 40'HQ Container

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

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