Reliable Module Manufacturer more than 20 years

FELLOWPLUS+

FE72-166M FULL BLACK

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, increas-ing the string length of solar systems and saving on BOS costs

25Ys
Warranty on power output

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

2%
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

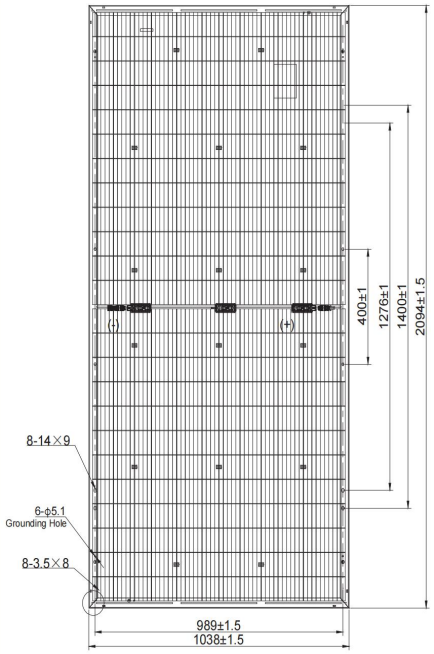
IEC61215 : 2016.IEC61730 : 2016 Latest Standard and UL 61730 Latest Standard, IS09001 IS014001 and ISO45001, meeting the highest international standards Strict quality control

FELLOWPLUS+
Better Choice For Higher Efficiency!

FE72-166M

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

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℃ TO +85℃				

*STC： AM 1.5, Irradiance 1000W/m², module temperature 25℃

Electrical Characteristics(NMOT)

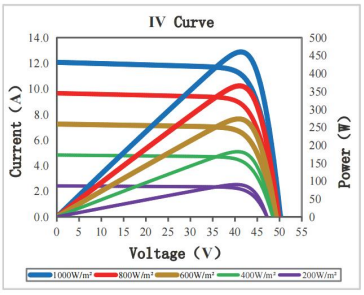
Module Type	FE72-166M				
Maximum Power(Pmax)	326W	330W	334W	338W	342W
Open Circuit Voltage(Voc)	47.1V	47.3V	47.5V	47.7V	47.9V
Short Circuit Current(Isc)	9.35A	9.42A	9.49A	9.56A	9.63A
Maximum Power Voltage(Vmp)	38.7V	38.9V	39.1V	39.3V	39.5V
Maximum Power Current(Imp)	8.43A	8.49A	8.56A	8.62A	8.66A

*NMOT： Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s

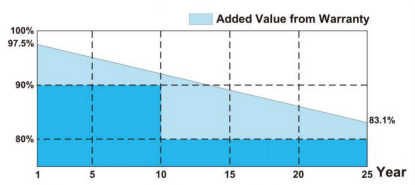
Temperature Coefficient of Pmax	Y(Pm)	- 0.350%/℃
Temperature Coefficient of Voc	β(Voc)	- 0.275%/℃
Temperature Coefficient of Isc	α(Isc)	+0.045%/℃

· 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

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	4mm²(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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