

FE72-166M(L)

High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 166*83

Monocrystalline

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



- **Module Efficiency:**
20.7%
- **No. of Cells:**
144 (6 x 24)
- **Weight:**
6.4kg
- **Dimensions:**
2046mmx1084mmx2mm



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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

Fast-Installation

Through "Quick-Bonding" installation, LTF requires no penetration, reduces time on roof and saves installation costs.

12Ys

Products Warranty

Safety

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

25Ys

Warranty on power output

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.

Ultra-light

Glass free module weighs 6.4kg, 70% lighter than conventional glass modules.

5W

Positive tolerance 0/+5W guaranteed

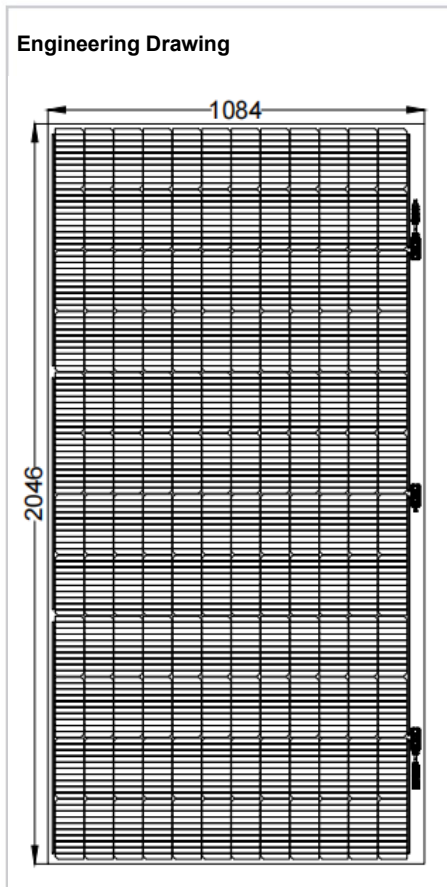
PID

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





Electrical Characteristics (STC)					
Module Type	FE72-166M(L)				
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)	11.6A	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)	10.75A	10.85A	10.94A	11.04A	11.13A
Module Efficiency(%)	19.8%	20.0%	20.2%	20.5%	20.7%
Power Tolerance	0/+5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40°C to +85°C				

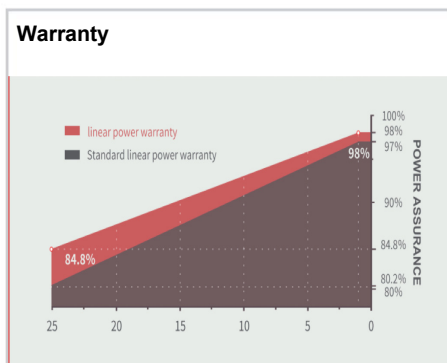
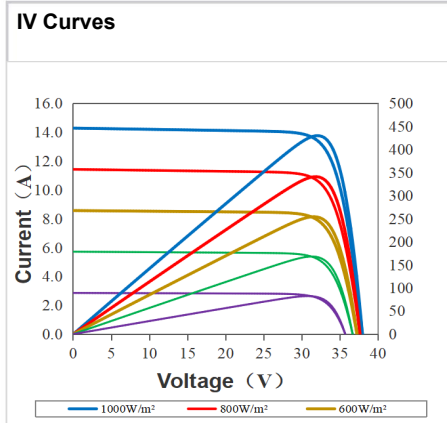
*STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics(NMOT)					
Module Type	FE72-166M(L)				
Maximum Power(Pmax)	329.6W	333.9W	338.2W	342.5W	346.9W
Open Circuit Voltage(Voc)	46.18V	46.36V	46.43V	46.61A	46.67A
Short Circuit Current(Isc)	9.26A	9.35A	9.45A	9.54A	9.64A
Maximum Power Voltage(Vmp)	37.8V	37.9V	38.0V	38.1V	38.2V
Maximum Power Current(Imp)	8.72A	8.81A	8.90A	8.99A	9.08A

NMOT 45 C ±2 C

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

Temperature Coefficient of Pmax	Y(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	2046mm×1084mm×2mm	
Weight	6.4kg	
Backboard	White	
Frame	Frameless	
Junction Box	IP68	
Cable	4mm ² (IEC)Length: (+)400mm, (-)200mm/length can be customized	
Connectors	MC4/MC4 Compatible	
Packaging Configuration	61 pcs/box	



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

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