

FE72-166M(L)

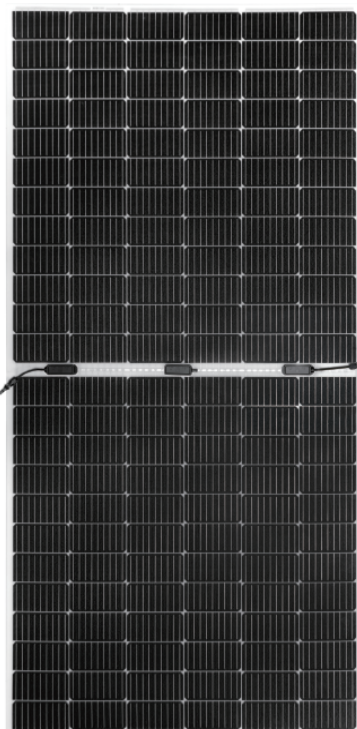
High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 166*83

Monocrystalline

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



- **Module Efficiency:**
21.1%
- **No. of Cells:**
144 (12 x 12)
- **Weight:**
6.3kg
- **Dimensions:**
2105mmx1035mmx2mm



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

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 6.3kg, 70% lighter than conventional glass modules.

5W

Positive tolerance 0/+5W guaranteed

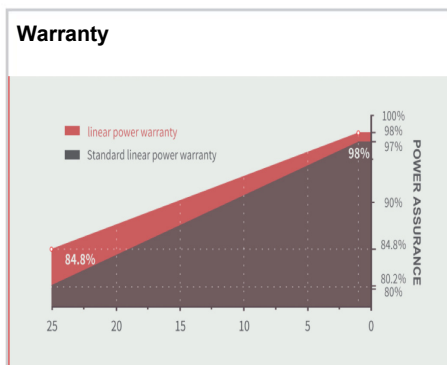
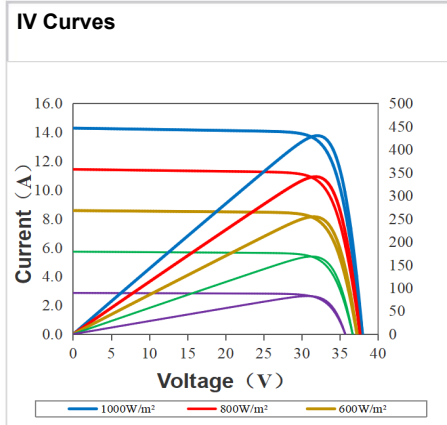
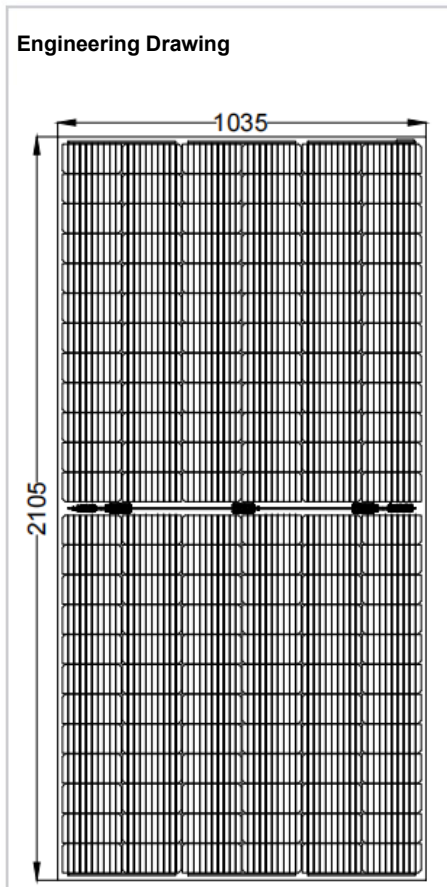
PID

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(%) | 20.1% | 20.4% | 20.6% | 20.8% | 21.1% |
| 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 (12×12) | |
| Dimensions | 2105mm×1035mm×2mm | |
| Weight | 6.3kg | |
| 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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