

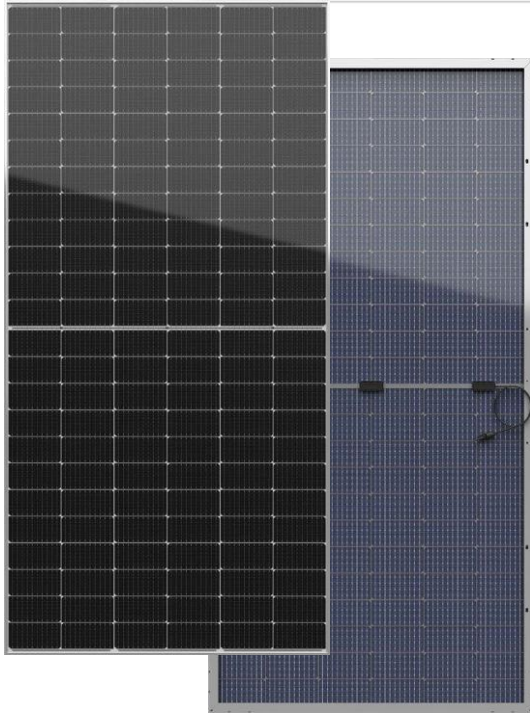
# FE72-18X(N) Transparent

High Efficiency ZERO LID and TOPCON cell with Half-cut Technology

NEW

182\*91 Monocrystalline

560W / 565W / 570W / 575W / 580W



- **Module Efficiency:**  
22.5%
- **No.of Cells:**  
144(6 x 24)
- **Weight:**  
27.4kg
- **Dimensions:**  
2279±2mmx1134±2mmx35mm



Jiangsu Xiehang Energy Technology Co.Ltd  
www.xiehangenergy.com

Factory: FELLOW ENERJI A.S.  
Factory: CHEN GUNES ENERJISI SANAYI VE TICARET LIMITED SIRKETI  
Factory: Jiangsu Xiehang Energy Technology Co.Ltd



**ZERO LID(Light Induced Degradation)**  
N-type solar cell has no LID naturally which can increase power generation



**10-30% Additional Power Generation**  
10-30% additional power generation comparing with conventional P-type module

12Ys

Products Warranty



**Lower LCOE**  
Higher bifaciality, higher power output and lower BOS cost  
Better Weak Illumination Response  
Higher power output even under low-light environment

30Ys

Warranty on power output

EL

**Microcrack resistant**  
highperformance transparent backsheet 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.

5W

Positive tolerance  
0/+5W guaranteed



**Enhanced Mechanical Load**  
Certified to withstand:  
wind load(2400 Pascal)  
and snow load (5400 pascal).

PID

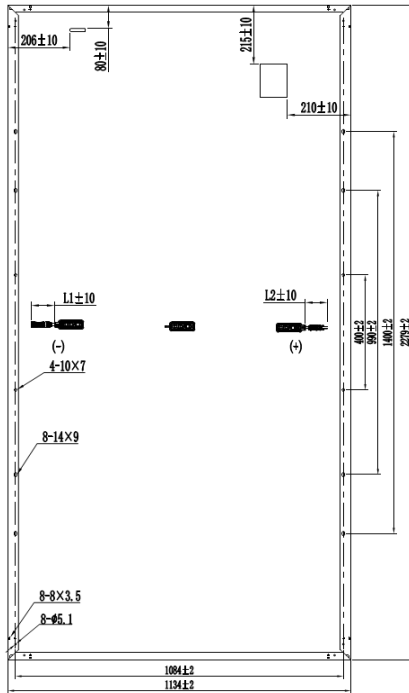
PID Resistant

## Comprehensive and First-rate certification System

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



### Engineering Drawing



### Electrical Characteristics (STC)

| Module Type                | FE72-18X(N)    |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 560W           | 565W   | 570W   | 575W   | 580W   |
| Open Circuit Voltage(Voc)  | 50.5V          | 50.7V  | 50.9V  | 55.1V  | 51.3V  |
| Short Circuit Current(Isc) | 14.07A         | 14.15A | 14.23A | 14.31A | 14.39A |
| Maximum Power Voltage(Vmp) | 42.30V         | 42.50V | 42.70V | 42.90V | 43.10V |
| Maximum Power Current(Imp) | 13.25A         | 13.31A | 13.37A | 13.41A | 13.47A |
| Module Efficiency(%)       | 21.68%         | 21.87% | 22.07% | 22.26% | 22.45% |
| Power Tolerance            | 0 ~ +5W        |        |        |        |        |
| Maximum System Voltage     | 1500V DC(IEC)  |        |        |        |        |
| Maximum Series Fuse Rating | 25A/30A        |        |        |        |        |
| Operating Temperature      | -40°C TO +85°C |        |        |        |        |

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

### Electrical Characteristics(NMOT)

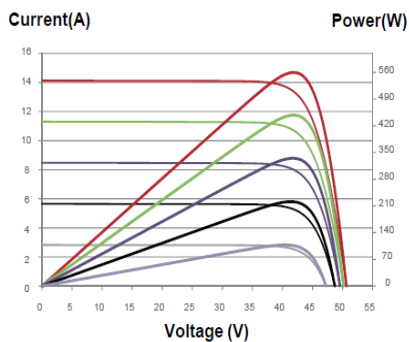
| Module Type                | FE72-18X(N) (Bifaciality 80±5%) |        |        |        |        |
|----------------------------|---------------------------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 426W                            | 430W   | 433W   | 437W   | 441W   |
| Open Circuit Voltage(Voc)  | 48.13V                          | 48.32V | 48.51V | 48.70V | 48.89V |
| Short Circuit Current(Isc) | 11.41A                          | 11.46A | 11.50V | 11.55A | 11.60A |
| Maximum Power Voltage(Vmp) | 39.39V                          | 39.52V | 39.65V | 39.78V | 39.87V |
| Maximum Power Current(Imp) | 10.69A                          | 10.75A | 10.81A | 10.87A | 10.94A |

NMOT 45°C±2°C

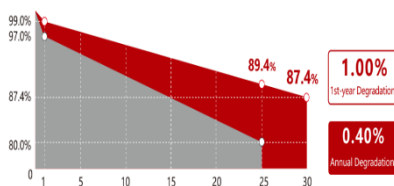
\*NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

|                                 |        |            |
|---------------------------------|--------|------------|
| Temperature Coefficient of Pmax | Y(Pm)  | - 0.29%/°C |
| Temperature Coefficient of Voc  | β(Voc) | - 0.23%/°C |
| Temperature Coefficient of Isc  | α(Isc) | +0.041%/°C |

### IV Curves



### Warranty



12-year product warranty  
30-year warranty on power output  
\*Specific information is referred to the product quality guarantee

|                         |   |
|-------------------------|---|
| Solar Cells             | Monocrystalline 182 x 91mm  |
| No. of Cells            | 144 ( 6×24 )  |
| Dimensions              | 2279±2mm×1134±2mm×35mm  |
| Weight                  | 27.4kg  |
| Front Glass             | High transmission tempered glass3.2mm                                     |
| Frame                   | Anodized aluminum alloy   |
| Junction Box            | IP68  |
| Cable                   | 4mm <sup>2</sup> (IEC)Length: (+)400mm, (-)200mm/length can be customized |
| Connectors              | MC <sub>4</sub> /MC <sub>4</sub> Compatible                               |
| Packaging Configuration | 36pcs/box: 720pcs 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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