

# FE72-18X(N)W

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

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

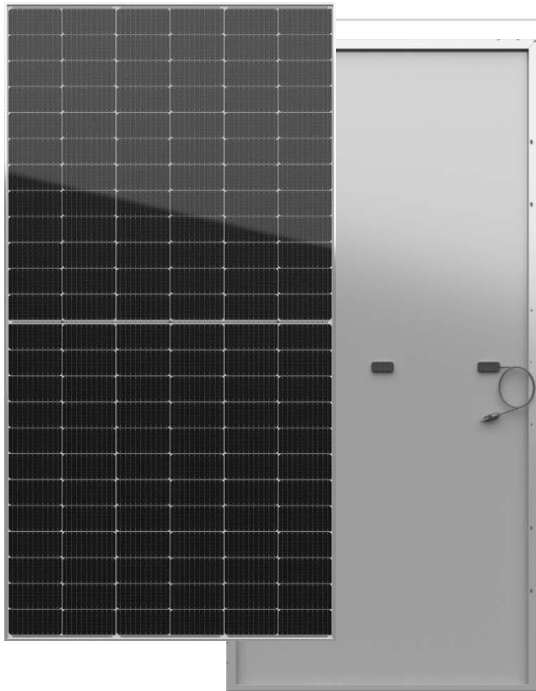
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Factory: CHEN GUNES ENERJISI SANAYI VE  
TICARET LIMITED SIRKETI

Factory:Jiangsu Xiehang Energy Technology Co.Ltd

NEW

Big Size: Cell 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



**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 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.**



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

**5W**

Positive tolerance  
0/+5W guaranteed

**PID**

PID Resistant

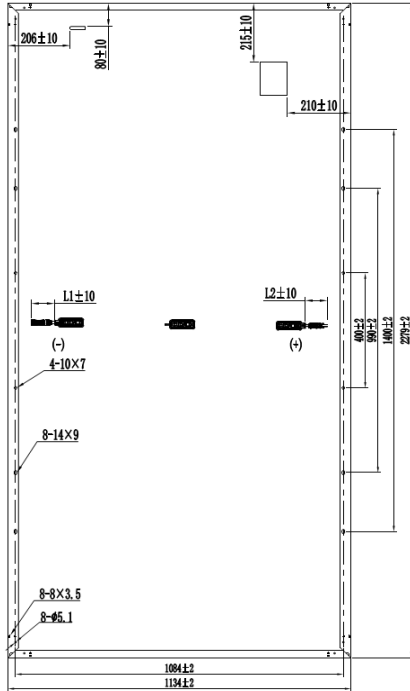
**Comprehensive and First-rate certification System**  
IEC61215:2016,IEC61730:2016 Latest Standard ISO14001 and ISO45001,meeting the highest international standards Strict quality control



# FE72-18X(N)

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

### 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	51.1V	51.3V
Short Circuit Current(Isc)	14.07A	14.15A	14.23A	14.31A	14.39A
Maximum Power Voltage(Vmp)	42.3V	42.5V	42.7V	42.9V	43.1V
Maximum Power Current(Impp)	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)				
Maximum Power(Pmax)	426W	430W	433W	437W	441W
Open Circuit Voltage(Voc)	48.5V	48.7V	48.9V	49.10V	49.20V
Short Circuit Current(Isc)	11.34A	11.40A	11.47V	11.53A	11.60A
Maximum Power Voltage(Vmp)	40.6V	40.8V	41.0V	41.2V	41.4V
Maximum Power Current(Impp)	10.49A	10.54A	10.56A	10.61A	10.65A

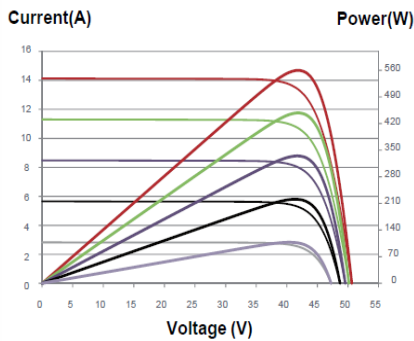
NMOT 45°C±2°C

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

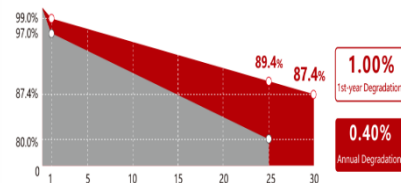
Temperature Coefficient of Pmax	γ(Pm)	- 0.29%/°C
Temperature Coefficient of Voc	β(Voc)	- 0.23%/°C
Temperature Coefficient of Isc	α(Isc)	±0.041%/°C

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

### IV Curves



### Warranty



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

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

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