Reliable Module Manufacturer more than 20 years

Jiangsu Xiehang New Energy Intelligent Equipment Co.Ltd
www.xiehangenergy.com

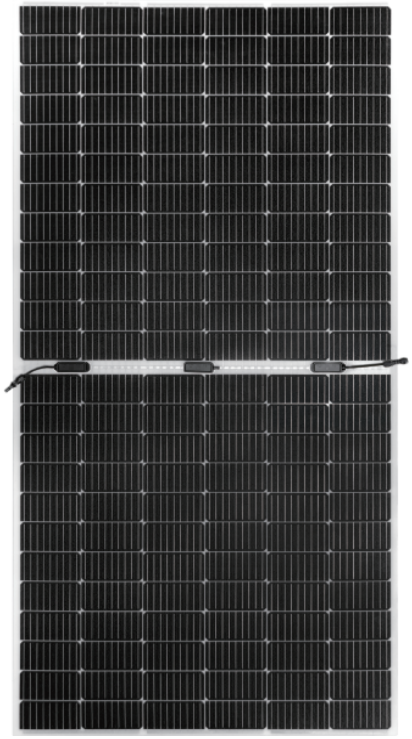
Factory: HT FELLOW ENERJI A.Ş.
Factory: CHEN GUNES ENERJISI SANAYI VE TICARET LIMITED SIRKETI

FE72-18X(L)

High Efficiency Low LID with Half-cut Technology

NEW | Big Size: Cell 182*91 | Monocrystalline

530W / 535W / 540W / 545W / 550W



- **Module Efficiency: 21.1%**
- **No.of Cells: 144 (12 x 12)**
- **Weight: 7.5kg**
- **Dimensions: 2297mmx1131mmx2mm**

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

12Ys

Products Warranty

25Ys

Warranty on power output

Ultra-light

Glass free module weighs 7.5kg,70% lighter than conventional glass modules.

5W

Positive tolerance 0/+5W guaranteed

Fast-Installation

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

Safety

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

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.

PID

PID Resistant

Comprehensive and first-rate certification system

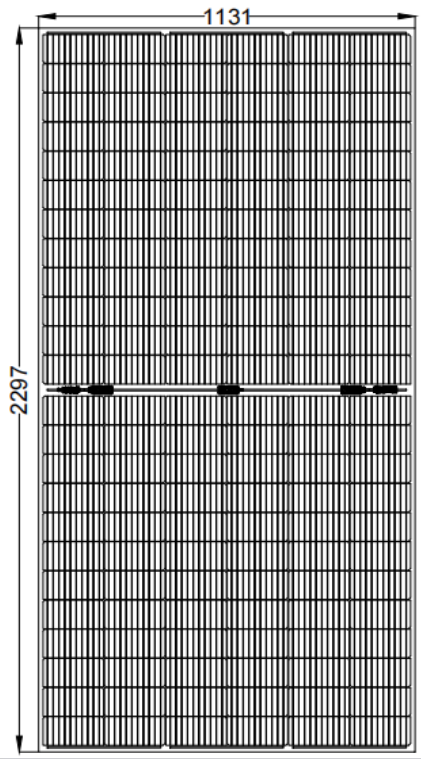
IEC61215 : 2016.IEC61730 : 2016 Latest Standard and UL 61730 Latest Standard, IS09001 IS014001 and ISO45001, meeting the highest international standards Strict quality control

FELLOWPLUS+

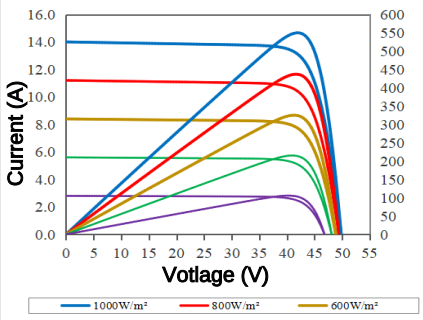
FELLOWPLUS+
Better Choice For Higher Efficiency!

FE72-18X(L)

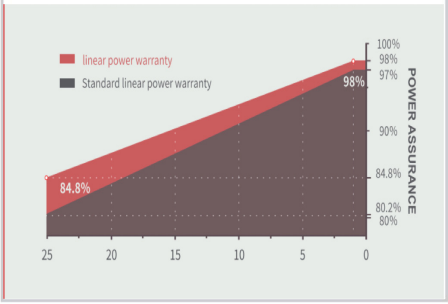
Engineering Drawing



IV Curves



Warranty



Electrical Characteristics (STC)

Module Type	FE72-18X(L)				
Maximum Power(Pmax)	530W	535W	540W	545W	550W
Open Circuit Voltage(Voc)	49.2V	49.35V	49.5V	49.65V	49.8V
Short Circuit Current(Isc)	13.76A	13.83A	13.9A	13.95A	14.0A
Maximum Power Voltage(Vmp)	41.35V	41.50V	41.65V	41.80V	41.95V
Maximum Power Current(Imp)	12.81A	12.89A	12.96A	13.03A	13.11A
Module Efficiency(%)	20.4%	20.5%	20.7%	20.9%	21.1%
Power Tolerance	0/+5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40℃ to +85℃				

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

Electrical Characteristics(NMOT)

Module Type	FE72-18X(L)				
Maximum Power(Pmax)	394.6W	398.5W	402.0W	405.8W	409.4W
Open Circuit Voltage(Voc)	46.58V	46.68V	46.77V	46.87V	46.96V
Short Circuit Current(Isc)	11.11A	11.18A	11.27A	11.35A	11.43A
Maximum Power Voltage(Vmp)	38.60V	38.70V	38.80V	38.90V	39.00V
Maximum Power Current(Imp)	10.22A	10.30A	10.36A	10.43A	10.50A
NMOT	45℃±2℃				

*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%/℃

Solar Cells	Monocrystalline 182 x 91mm
No.of Cells	144 (6×24)
Dimensions	2297mm×1131mm×2mm
Weight	7.5kg
Backboard	White
Frame	Frameless
Junction Box	IP68
Cable	4mm²(IEC)Length: (+)400mm, (-)200mm/length can be customized
Connectors	MC4/MC4 Compatible
Packaging Configuration	61 pcs/box

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