

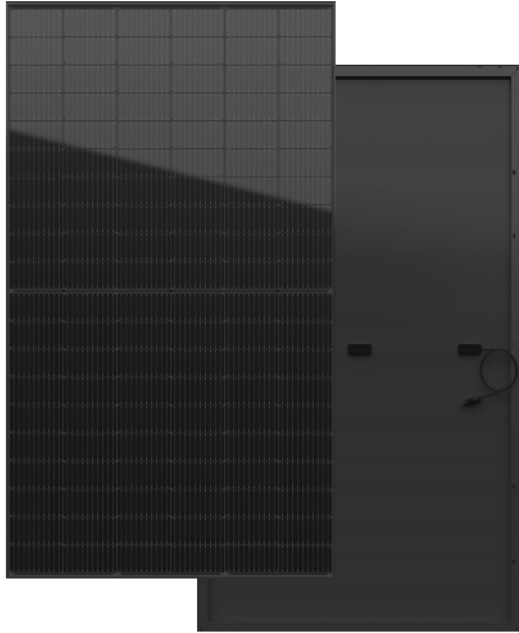
## FE66-18X(N) Full Black

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

NEW

Big Size: Cell 182\*91 Monocrystalline

**510W / 515W / 520W / 525W / 530W**



- **Module Efficiency:** 22.32%
- **No.of Cells:**  
132(6 x 22)
- **Weight:**  
25.0kg
- **Dimensions:**  
2094±2mmx1134±2mmx30mm



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

Factory: FELLOW ENERJI A.Ş.  
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 power output and lower BOS cost  
Better Weak Illumination Response  
Higher power output even under

**30Ys**

Warranty on power output



**Better Temperature Coefficient**  
Higher power generation under normal working conditions

**EL**

Microcrack resistant highperformance transparent backsheet structure enhance reliability, triple EL tested of high quality control.



Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

**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



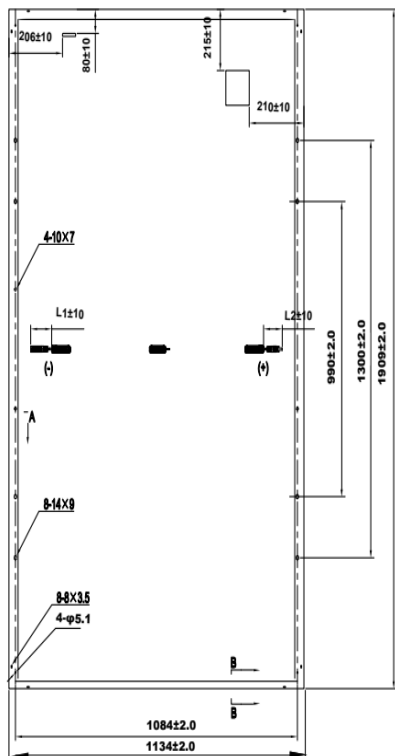
# FELLOWPLUS+

Better Choice For Higher Efficiency!

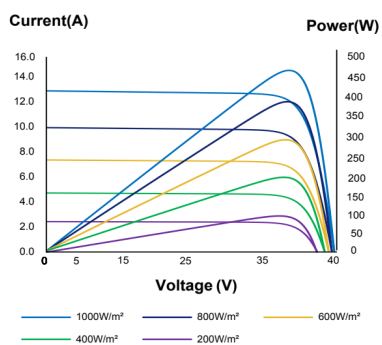
## FE66-18X(N)

510W/515W/520W/525W/530W

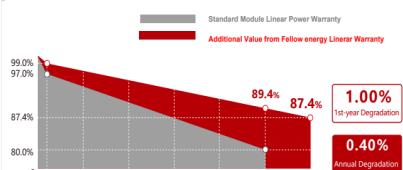
### Engineering Drawing



### IV Curves



### Warranty



12-year product warranty  
30-year warranty on power output

\*Specific information is referred to the product quality guarantee

### Electrical Characteristics (STC)

Module Type	FE66-18X (N)				
Maximum Power(Pmax)	510W	515W	520W	525W	530W
Open- Circuit Voltage(Voc)	46.2V	46.4V	46.6V	46.8V	47.0V
Short- Circuit Current(Isc)	14.11A	14.17A	14.20A	14.29A	14.35A
Maximum Power Voltage(Vmp)	38.6V	38.8V	39.0V	39.2V	39.4V
Maximum Power Current(Imp)	13.22A	13.28A	13.34A	13.40A	13.46A
Module Efficiency(%)	21.5%	21.7%	21.9%	22.1%	22.32%
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	FE66-18X(N)				
Maximum Power(Pmax)	408W	412W	417W	420W	424W
Open Circuit Voltage(Voc)	46.0V	46.2V	46.5V	46.6V	46.9V
Short Circuit Current(Isc)	11.26A	11.31A	11.34A	11.41A	11.46A
Maximum Power Voltage(Vmp)	38.8V	39.0V	39.3V	39.4V	39.6V
Maximum Circuit Current(Imp)	10.53A	10.58A	10.62A	10.68A	10.73A
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

Solar Cells	Monocrystalline 182 x 91mm
No. of Cells	132 ( 6×22)
Dimensions	2094±2mm×1134±2mm×30mm
Weight	25.0kg
Front Glass	High transmission tempered glass ; thickness; 3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm <sup>2</sup> (IEC);(+)-400mm(-)-200mm/length can be customized
Connectors	MC4 / MC4 compatible
Packaging Configuration	36pcs/box: 792pcs 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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