

FE66-18X Full Black

High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 182*91 Monocrystalline

480W / 485W
490W / 495W / 500W



- **Module Efficiency:**
21.1%
- **No. of Cells:**
132 (6 x 22)
- **Weight:**
25.0kg
- **Dimensions:**
2094mmx1134mmx35mm



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



10BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12Ys

Products Warranty



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BOS costs

25Ys

Warranty on power output



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

EL

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



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

5W

Positive tolerance 0/+5W guaranteed

PID

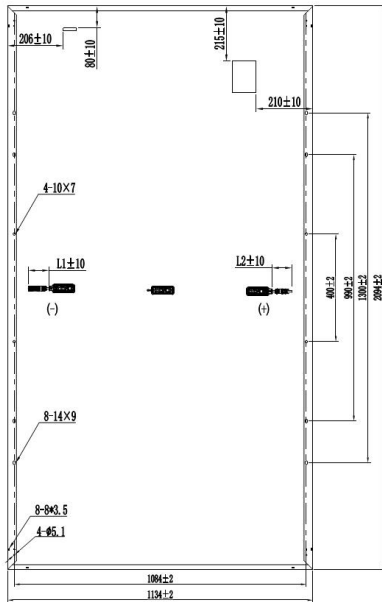
PID Resistant

Comprehensive and first-rate certification system

IEC61215 : 2016. IEC61730 : 2016 Latest Standard ISO9001, ISO14001 and ISO45001, meeting the highest international standards Strict quality control



Engineering Drawing



Electrical Characteristics (STC)

Module Type	FE66-18X				
Maximum Power(Pmax)	480W	485W	490W	495W	500W
Open Circuit Voltage(Voc)	44.95V	45.10V	45.25V	45.40V	45.55V
Short Circuit Current(Isc)	13.65A	13.73A	13.79A	13.86A	13.93A
Maximum Power Voltage(Vmp)	37.77V	37.92V	38.07V	38.22V	38.37V
Maximum Power Current(Imp)	12.72A	12.80A	12.88A	12.96A	13.04A
Module Efficiency(%)	20.2%	20.4%	20.6%	20.8%	21.1%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C TO +85°C				

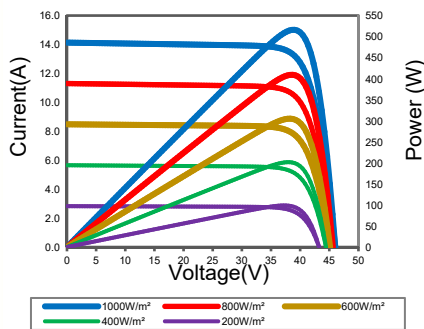
*STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics(NMOT)

Module Type	FE66-18X				
Maximum Power(Pmax)	360W	364W	368W	372W	376W
Open Circuit Voltage(Voc)	41.41V	41.56V	41.71V	41.86V	42.01V
Short Circuit Current(Isc)	11.21A	11.30A	11.39V	11.50A	11.59A
Maximum Power Voltage(Vmp)	34.35V	34.50V	34.65V	34.8V	34.95V
Maximum Power Current(Imp)	10.48A	10.55A	10.62A	10.69A	10.76A

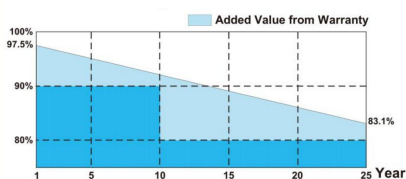
*NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

· IV Curves



Temperature Coefficient of Pmax	γ(Pm)	- 0.350%/°C
Temperature Coefficient of Voc	β(Voc)	- 0.275%/°C
Temperature Coefficient of Isc	α(Isc)	+0.045%/°C

· Warranty



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

Solar Cells	Monocrystalline 182 x 91mm
No.of Cells	132 (6×22)
Dimensions	2094mm×1134mm×35mm
Weight	25.0kg
Front Glass	High transmission tempered glass3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (IEC)Length: (+)400mm, (-)200mm/length can be customized
Connectors	MC4/MC4 Compatible
Packaging Configuration	31pcs/box: 682pcs 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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