

FE60-18X Full Black

High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 182*91 Monocrystalline

440W / 445W
450W / 455W / 460W



- **Module Efficiency:**
21.2%
- **No. of Cells:**
120(6 x 20)
- **Weight:**
22.7kg
- **Dimensions:**
1909mmx1134mmx35mm



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

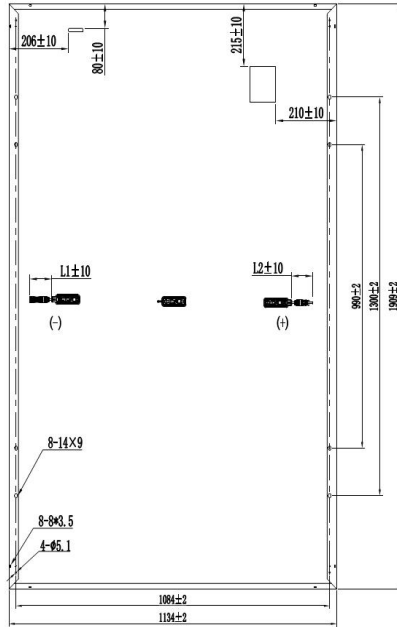
PID Resistant

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	FE60-18X				
Maximum Power(Pmax)	440W	445W	450W	455W	460W
Open Circuit Voltage(Voc)	41.03V	41.18V	41.33V	41.48V	41.63V
Short Circuit Current(Isc)	13.76A	13.83A	13.90A	13.97A	14.04A
Maximum Power Voltage(Vmp)	34.48V	34.63V	34.78V	34.93V	35.08V
Maximum Power Current(Imp)	12.77A	12.86A	12.95A	13.04A	13.13A
Module Efficiency(%)	20.3%	20.6%	20.8%	21.0%	21.2%
Power Tolerance	0~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C TO +85°C				

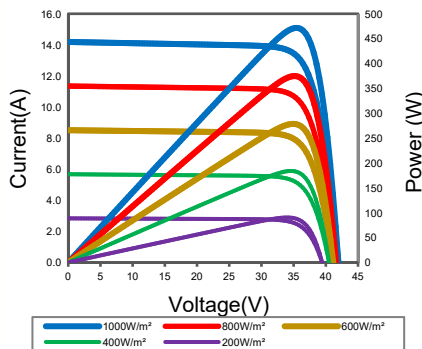
*STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics(NMOT)

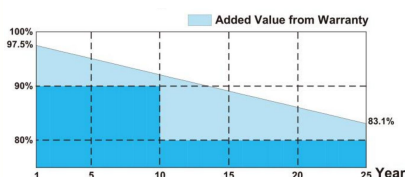
Module Type	FE60-18X				
Maximum Power(Pmax)	330W	334W	338W	342W	346W
Open Circuit Voltage(Voc)	37.60V	37.75V	37.90V	38.05V	38.20V
Short Circuit Current(Isc)	11.12A	11.20A	11.29A	11.37A	11.46A
Maximum Power Voltage(Vmp)	31.32V	31.47V	31.62V	31.77V	31.92V
Maximum Power Current(Imp)	10.54A	10.62A	10.69A	10.77A	10.84A

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

· IV Curves



· Warranty



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

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

Solar Cells	Monocrystalline 182 x 91mm
No. of Cells	120 (6×20)
Dimensions	1909mm×1134mm×35mm
Weight	22.7kg
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: 744pcs 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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