Reliable Module Manufacturer more than 20 years

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

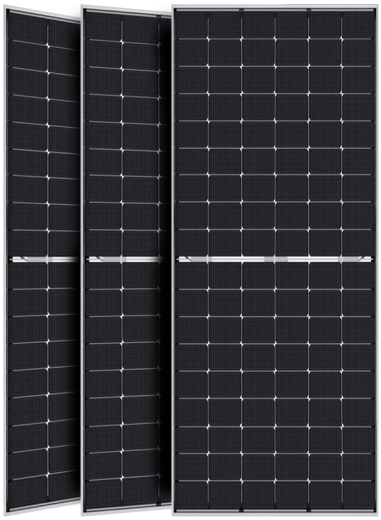
Factory: HT FELLOW ENERJI A.Ş.
Factory: CHEN GUNES ENERJISI SANAYI VE TICARET LIMITED SIRKETI

FE54-18X

High Efficiency Low LID with Half-cut Technology

NEW | Big Size: Cell 182*91 Monocrystalline

400W / 405W
410W / 415W / 420W



- **Module Efficiency: 21.5%**
- **No.of Cells: 108 (6 x 18)**
- **Weight: 21.4kg**
- **Dimensions: 1724mmx1134mmx35mm**

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, increas-ing the string length of solar systems and saving on BOS costs

25Ys
Warranty on power output

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

2%
All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

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 IS09001、IS014001 and ISO45001, meeting the highest international standards Strict quality control

IEC 61215
IEC 61730
Regular Production Surveillance
TÜVRheinland CERTIFIED
www.tuv.com
ID 1111251152

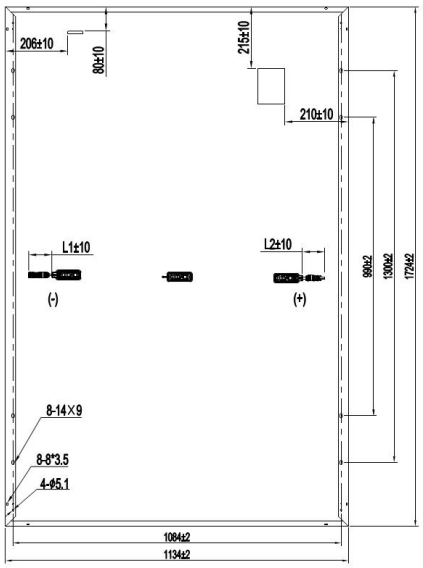
FELLOWPLUS+

FELLOWPLUS+
Better Choice For Higher Efficiency!

FE54-18X

400W/405W/410W/415W/420W

Engineering Drawing



Electrical Characteristics (STC)

Module Type	FE54-18X				
Maximum Power(Pmax)	400W	405W	410W	415W	420W
Open Circuit Voltage(Voc)	37.05V	37.19V	37.33V	37.48V	37.63V
Short Circuit Current(Isc)	13.83A	13.91A	13.98A	14.06A	14.14A
Maximum Power Voltage(Vmp)	31.17V	31.31V	31.44V	31.60V	31.74V
Maximum Power Current(Imp)	12.84A	12.94A	13.05A	13.14A	13.24A
Module Efficiency(%)	20.5%	20.7%	21.0%	21.2%	21.5%
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℃

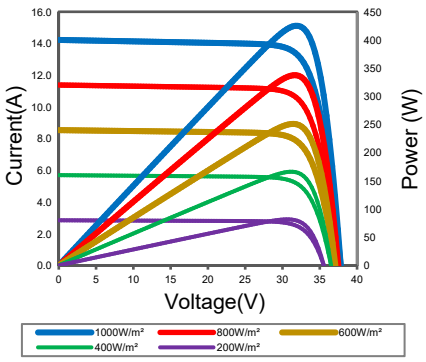
Electrical Characteristics(NMOT)

Module Type	FE54-18X				
Maximum Power(Pmax)	297W	301W	305W	309W	312W
Open Circuit Voltage(Voc)	35.12V	35.25V	35.38V	35.52V	35.67V
Short Circuit Current(Isc)	11.17A	11.23A	11.28A	11.35A	11.41A
Maximum Power Voltage(Vmp)	29.46V	29.68V	29.80V	29.95V	30.08V
Maximum Power Current(Imp)	10.08A	10.14A	10.23A	10.32A	10.37A

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

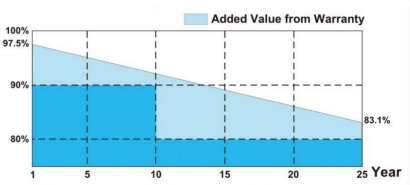
Temperature Coefficient of Pmax	Y(Pm)	- 0.350%/℃
Temperature Coefficient of Voc	β(Voc)	- 0.275%/℃
Temperature Coefficient of Isc	α(Isc)	+0.045%/℃

· IV Curves



Solar Cells	Monocrystalline 166 x 83mm
No.of Cells	108 (6×18)
Dimensions	1724mm×1134mm×35mm
Weight	21.4kg
Front Glass	High transmission tempered glass3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm²(IEC)Length: (+)400mm, (-)200mm/length can be customized
Connectors	MC4/MC4 Compatible
Packaging Configuration	31 pcs/box: 744pcs 40'HQ Container

· Warranty



12-year product warranty
25-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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