Reliable Module Manufacturer more than 20 years

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

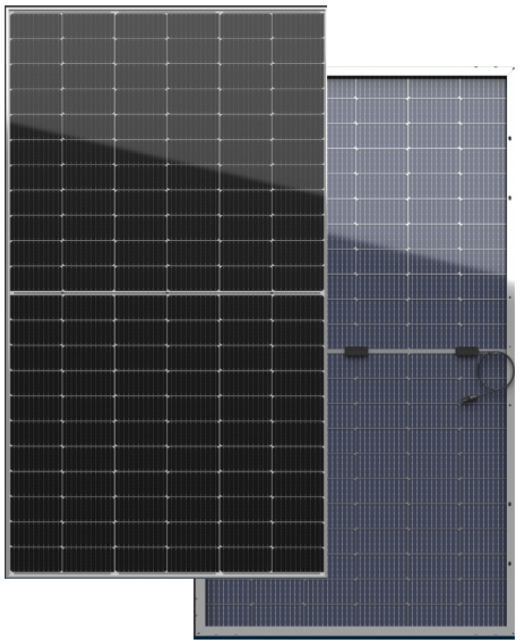
Factory: FELLOW ENERJI A.Ş.
Factory: CHEN GUNES ENERJISI SANAYI VE TICARET LIMITED SIRKETI
Factory:Jiangsu Xiehang Energy Technology Co.Ltd

FE66-18X(N) Transparent

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

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

30Ys

Warranty on power output

Lower LCOE
Higher power output and lower BOS cost
Better Weak Illumination Response
Higher power output even under Low-light environment

EL

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

2%

Better Temperature Coefficient
Higher power generation under normal working conditions

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

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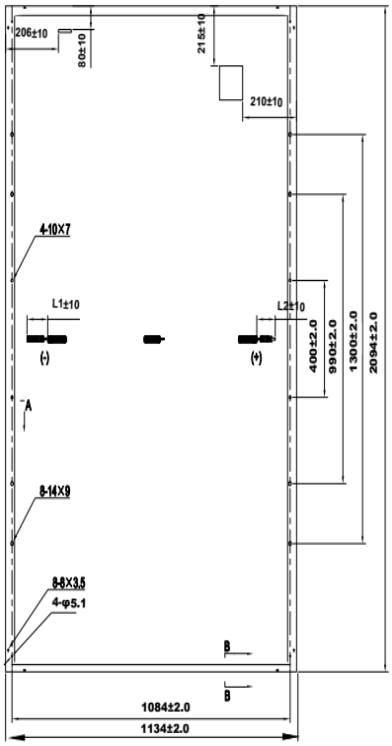
Better Choice For Higher Efficiency!

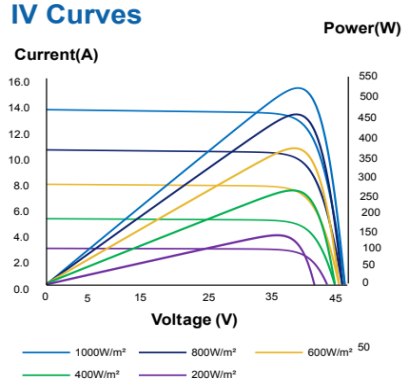
FE66-18X(N)

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

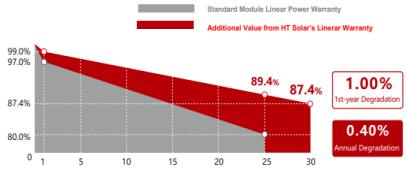
Engineering Drawing



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(%)	21.50%	21.70%	21.90%	22.10%	22.32%
Power Tolerance	0～ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A/30A				
Operating Temperature	-40℃ TO +85℃				

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

Electrical Characteristics(NMOT)

Module Type	FE66-18X(N)(Bifaciality 80±5%)				
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℃±2℃

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

Temperature Coefficient of Pmax	Y(Pm)	- 0.29%/℃
Temperature Coefficient of Voc	β(Voc)	- 0.23%/℃
Temperature Coefficient of Isc	α(Isc)	+ 0.041%/℃

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	4mm² (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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