

FE60-18X(L)

High Efficiency Low LID with Half-cut Technology

NEW

Big Size: Cell 182*91

Monocrystalline

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



- **Module Efficiency:**
20.6%
- **No.of Cells:**
120 (6 x 20)
- **Weight:**
6.5kg
- **Dimensions:**
2238mmx995mmx2mm



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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

Fast-Installation

Through " Quick-Bonding" installation, LTF requires no penetration, reduces time on roof and saves installation costs.

12Ys

Products Warranty

Safety

Integration with underlying installation surface,ensuring the waterproof performance and safety performance of the roof.

25Ys

Warranty on power output

Flexibility

The biggest advantage of flexible photovoltaic modules is that they can be bent and folded, which allows them to adapt to more application scenarios.

Ultra-light

Glass free module weighs 6.5kg,70% lighter than conventional glass modules.

5W

Positive tolerance 0/+5W guaranteed

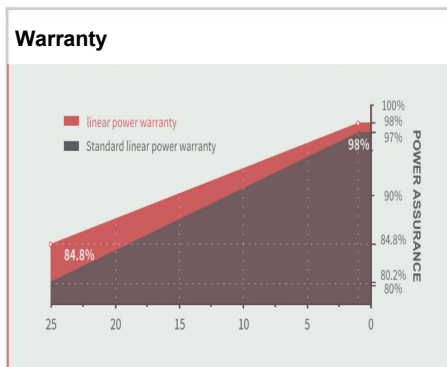
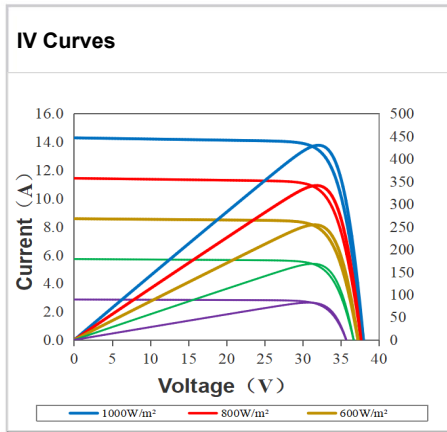
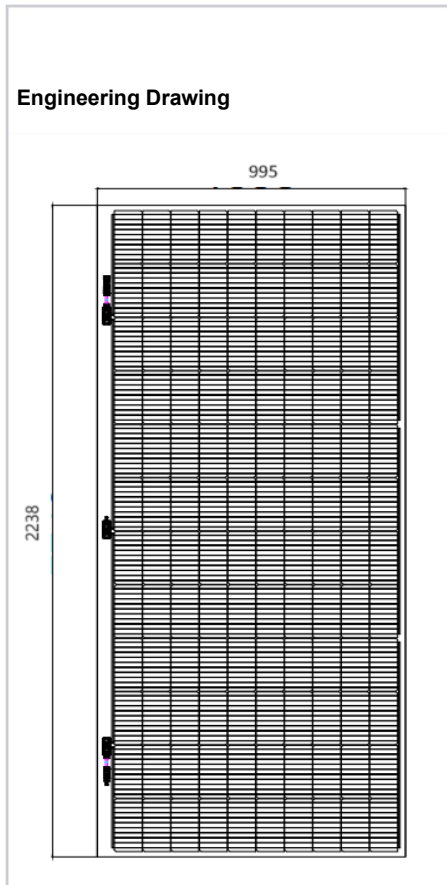
PID

PID Resistant

Comprehensive and first-rate certification system

IEC61215 : 2016.IEC61730 : 2016 Latest Standard and UL 61730 Latest Standard, ISO9001 ISO14001 and ISO45001, meeting the highest international standards Strict quality control





Electrical Characteristics (STC)

Module Type		FE60-18X(L)				
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)		12.76A	12.85A	12.93A	13.02A	13.11A
Module Efficiency(%)		19.7%	19.9%	20.2%	20.4%	20.6%
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(L)				
Maximum Power(Pmax)		329.3W	332.9W	336.6W	340.3W	344.1W
Open Circuit Voltage(Voc)		48.4V	48.48V	48.59V	48.69V	48.78V
Short Circuit Current(Isc)		8.75A	8.83A	8.91A	9.0A	9.09A
Maximum Power Voltage(Vmp)		40.10V	40.24V	40.33V	40.41V	40.50V
Maximum Power Current(Imp)		8.21A	8.27A	8.35A	8.42A	8.49A

NMOT 45°C ±2°C

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

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	2238mm×995mm×2mm
Weight	6.5kg
Backboard	White
Frame	Frameless
Junction Box	IP68
Cable	4mm ² (IEC)Length: (+)400mm, (-)200mm/length can be customized
Connectors	MC4/MC4 Compatible
Packaging Configuration	61 pcs/box

*The module recycling should be carried out by the professional institutions at the end of module life cycle

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