

405-420W

Single Crystalline Silicon Solar Modules

M10/182mm Cell. 108 Half Cell Modules

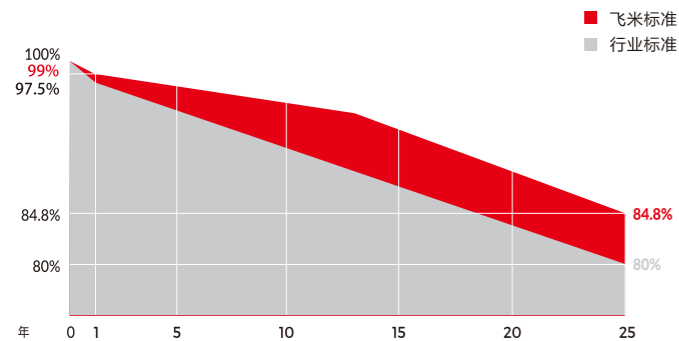
FEMI-NET® The series of photovoltaic modules stands out through breakthrough innovation in large-sized M10 (182mm) solar cells, achieving the highest power generation and lowest LCOE. This makes the series of 5 modules the best choice for large solar power plants. The application of Ga-doped chip technology can significantly improve the performance of LID, while the latest integrated segmented carbon strip technology can improve power output and enhance the reliability of the modules in long-term use. We assure you 25 years guarantee of product power, 12 years of guarantee of product quality.

High Quality



- Ga** Ga-doped
- anti PID LID** Anti PID Low LID Performance
- Multi-grid Line Technology**
- A** Less impact of Hot Spot Occlusion
- Half Cell Technology**
- Lower BOS & LCOE Cost**

Linear Warranty



Comprehensive Certificates

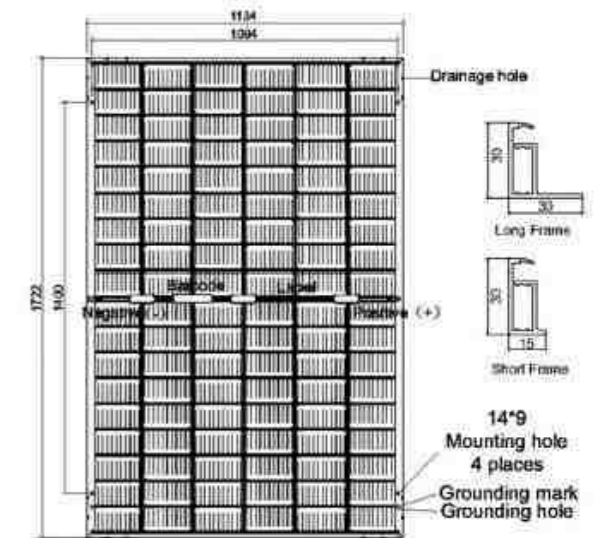
- ISO9001:2015
- SO14001:2015
- ISO45001:201
- IEC61215&IEC61730



FEMI-NET® 405-420W Monocrystalline Silicon

Structural Features

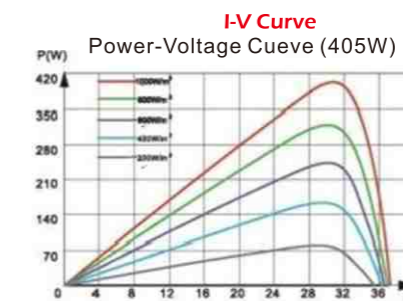
Type	Mono Silicon
No. of Cells	108(6x18)
Dimension	1722x1134x30mm
Weight	21.5/25.5KG
Front	Thickness 3.2/2.0 mm coated tempered glass
Aluminum Frame	Anodized aluminum alloy
Junction box	Ip68(3 bypass diodes)
Connects Cable	4.0 Square millimetre
	300 mm (+)/400 mm (-)
	Length can be customized
Plug-in Connector	Mc4 Compatible plug connector
Maximum Mechanical Load	5400 Pa



Electrical Performance Parameters

Power Range	FEMI-405M		FEMI-410M		FEMI-415M		FEMI-420M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power(Pmax)	405W	301 W	410W	305W	415W	309 W	420 W	312W
Open Circuit Voltage(Voc)	37.25V	35.29V	37.40V	35.43V	37.55V	35.57V	37.70V	35.71V
Short-circuit Current(Isc)	13.90A	11.22A	13.99A	11.29A	14.08A	11.36A	14.17A	11.43A
Peak Power Voltage(Vmpp)	31.41V	29.78V	31.57V	29.94V	31.73V	30.10V	31.89V	30.25V
Peak Power Current(Imp)	12.90A	10.11A	12.99A	10.19A	13.08A	10.27A	13.17A	10.34A
Module Efficiency(%)	20.7%		21%		21.2%		21.5%	

Standard Test Conditions (STC): Irradiance 1000W/m², Battery temperature 25 °C, spectral AM1.5G
Nominal battery operating temperature (NOCT): irradiance 800W/m², Environmental temperature 20 °C, spectral AM1.5G, wind speed 1m/s



Operation Parameters

Ambient Temperature	-40°Cto~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Fuse Rating	25A
Power Tolerance	0/+5W

Temperature Feature

Nominal operating temperature(Noct)	45 ± 2°C
Peak Power Temperature Coefficient	+0.063%/°C
Open Circuit Temperature Coefficient	-0.269%/°C
Short Circuit Current Temperature Coefficient	-0.335%/°C

Disclaimer: The electrical performance parameters in this product catalog are only used for comparison between different component types, and women do not guarantee their complete accuracy. Due to innovative research and product improvement, women have the right to adjust the information in this technical parameter document at any time without prior notice.