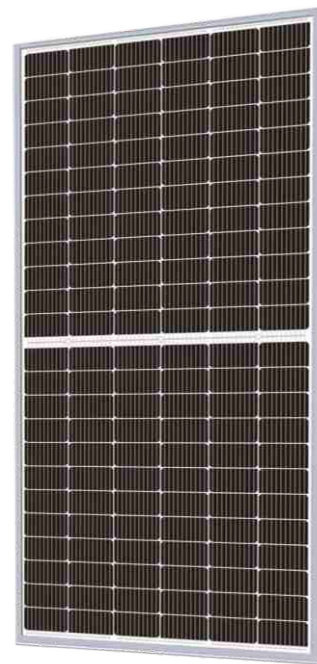


535-555W Single Crystalline Silicon Solar Modules

M10/182mm Cell. 144 Half Cell Modules

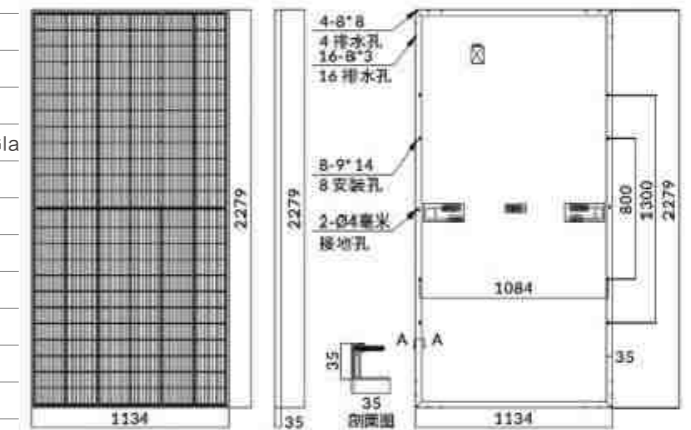
The series of photovoltaic modules stands out through breakthrough innovation in large-sized M10 (182mm) solar cells, achieving the highest power generation and lowest LCOE. This makes the series of 5 modules the best choice for large solar power plants. The application of Ga-doped chip technology can 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



Structural Features

Type	Mono Silicon
No. of Cells	144(6x24)
Dimension	2279x1134x35毫米
Weight	28/32.4KG
Front	Thickness 3.2/2.0 mm Coated Tempered Gla
Aluminum Frame	Anodized Aluminum Alloy
Junction box	Ip68 (3 Bypass Diodes)
	4.0 Square Millimetre
Connects Cable	300 mm (+)/400 mm (-)
	Length can be customized
Plug-in Connector	Mc4 Compatible plug Connector
Maximum Mechanical Load	5400 Pa



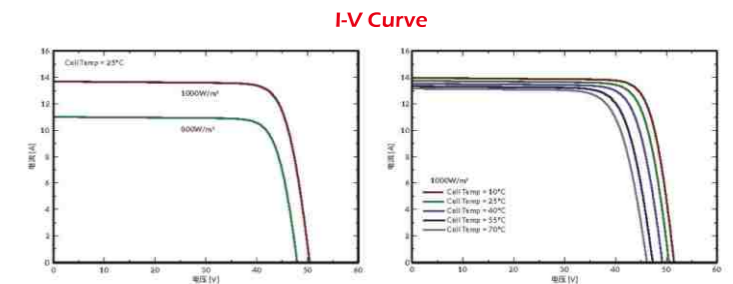
Electrical Performance Parameters

Power Range	FEMI-535M		FEMI-540M		FEMI-545M		FEMI-550M		FEMI-555M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power(Pmax)	535W	405W	540W	408W	545W	412W	550W	416W	555W	420W
Open Circuit Voltage(Voc)	49.45V	46.31V	49.60V	46.43V	49.75V	46.55V	49.90V	46.68V	50.05V	46.85V
Short-circuit Current(Isc)	13.79A	11.05A	13.86A	11.09A	13.93A	11.13A	14.00A	11.17A	14.07A	11.21A
Peak Power Voltage(Vmpp)	41.47V	38.78V	41.64V	38.99V	41.80V	39.20V	41.96V	39.43V	42.12V	39.66V
Peak Power Current(Imp)	12.90A	10.43A	12.97A	10.47A	13.04A	10.51A	13.11A	10.55A	13.18A	10.59A
Module Efficiency(%)	20.7%		20.9%		21.1%		21.3%		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

Packing Parameters

Flat Car Model(Length)	13米	17.5米
Number of Modules per Pallet	31	31
Number of Pallet per Car	22	30
Number of Modules per Car	682	930



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	-0.36%/°C
Open Circuit Temperature Coefficient	-0.28%/°C
Short Circuit Current Temperature Coefficient	+0.05%/°C

Ga-doped

Half Cell Technology

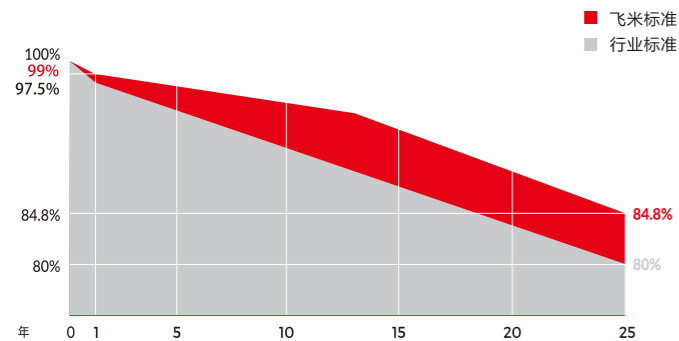
Multi-grid Line Technology

Anti PID Low LID Performance

Less impact of Hot Spot Occlusion

Lower BOS & LCOE Cost

Linear Warranty



Comprehensive Certificates

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

