



Wireless wifi communication, no wiring required



Bidirectional measurement can record electricity consumption data while also preventing backflow



IP67 protection degree, *10 years warranty



Max. DC input current of 18A, adapt to 790W PV module



4 MPP trackers, module level monitoring



Rapid shutdown function

Technical Data

	FE-1.3 4M-1P-MI	FE-1.6 4M-1P-MI	FE-1.8 4M-1P-MI	FE-2 4M-1P-MI	FE-2.2 4M-1P-MI
PV String Input Data					
Max. PV Input Power (W)	210-460 (4 Pieces)	210-560 (4 Pieces)	210-630 (4 Pieces)	210-700 (4 Pieces)	210-770 (4 Pieces)
Max. PV Input Voltage (V)	60				
Start-up Voltage (V)	20				
MPPT Voltage Range (V)	25-55				
Rated PV Input Voltage (V)	42.5				
Max. Operating PV Input Current (A)	18+18+18+18				
Max. Input Short Circuit Current (A)	27+27+27+27				
No. of MPP Trackers/ No. of Strings MPP Tracker	4/1				
AC Output Side					
Rated AC Output Active Power (W)	1300	1600	1800	2000	2200
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	2200
Rated AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6
Max. AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6
Rated Output Voltage/Range (V)	220/230 0.85Un-1.1Un				
Grid Connection Form	L/N/PE				
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65				
Max. Unit per Branch	5	4	3	3	3
Power Factor Adjustment Range	0.9 leading-0.9 lagging				
Total Current Harmonic Distortion THDi	<3%				
DC Injection Current	<0.5%In				
Efficiency					
Max. Efficiency					
Euro Efficiency	96.5%				
MPPT Efficiency	96.0%				
	>99%				
Equipment Protection					
DC Polarity Reverse Connection Protection	Yes				
AC Output Overcurrent Protection	Yes				
AC Output Overvoltage Protection	Yes				
AC Output Short Circuit Protection	Yes				
Thermal Protection	Yes				
DC Terminal Insulation Impedance Monitoring	Yes				
Power Network Monitoring	Yes				
Island Protection Monitoring	Yes				
Earth Fault Detection	Yes				
Overvoltage Load Drop Protection	Yes				
General					
Operating Temperature Range (°C)	-40 to +65°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude (m)	2000m				
Noise (dB)	2000m				
Ingress Protection(IP) Rating	≤25				
Inverter Topology	IP 67				
Over Voltage Category	Isolated				
Communication	OVC II(DC), OVC III(AC)				
Cabinet Size (WxHxD mm)	Wi-Fi				
Weight (kg)	358×255.5×36.5 (Excluding Connectors and Brackets)				
Warranty	4.95				
Type of Cooling	10 Years				
Grid Regulation	Natural Cooling				
Safety EMC/Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, VDE-AR-N 4105				
	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

*Note: 15 Years Warranty

Technical Data

	Parameter	Value
Communication	Wireless Type	WiFi
	Working Frequency	2.412GHz~2.484GHz
	Local COM	RS485
	Serial Parameter	Address 001、9600bps、E、8、1
	Data Interval	5 mins
Meter	Rated Voltage	AC 230V 5(60)A 50/60Hz
	Power Range	0~999999.99kWh
	Accuracy Class	1.0
	Consumption	≤3.5W
Environment	Working Temperature	-30°C~+70°C
	Relative Humidity	≤85%(No condensation), Altitude<3000m
	Atmospheric Pressure	70kPa~106kPa
	Transportation & Storage	Temperature: -40~85 °C, Relative Humidity≤85%