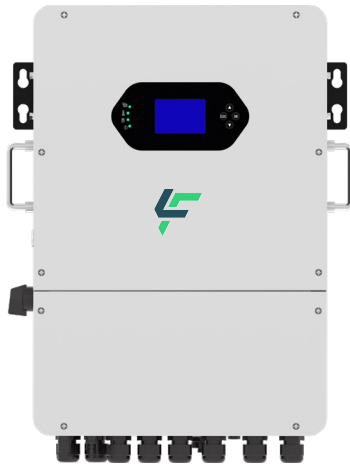




Three-phase Hybrid inverter

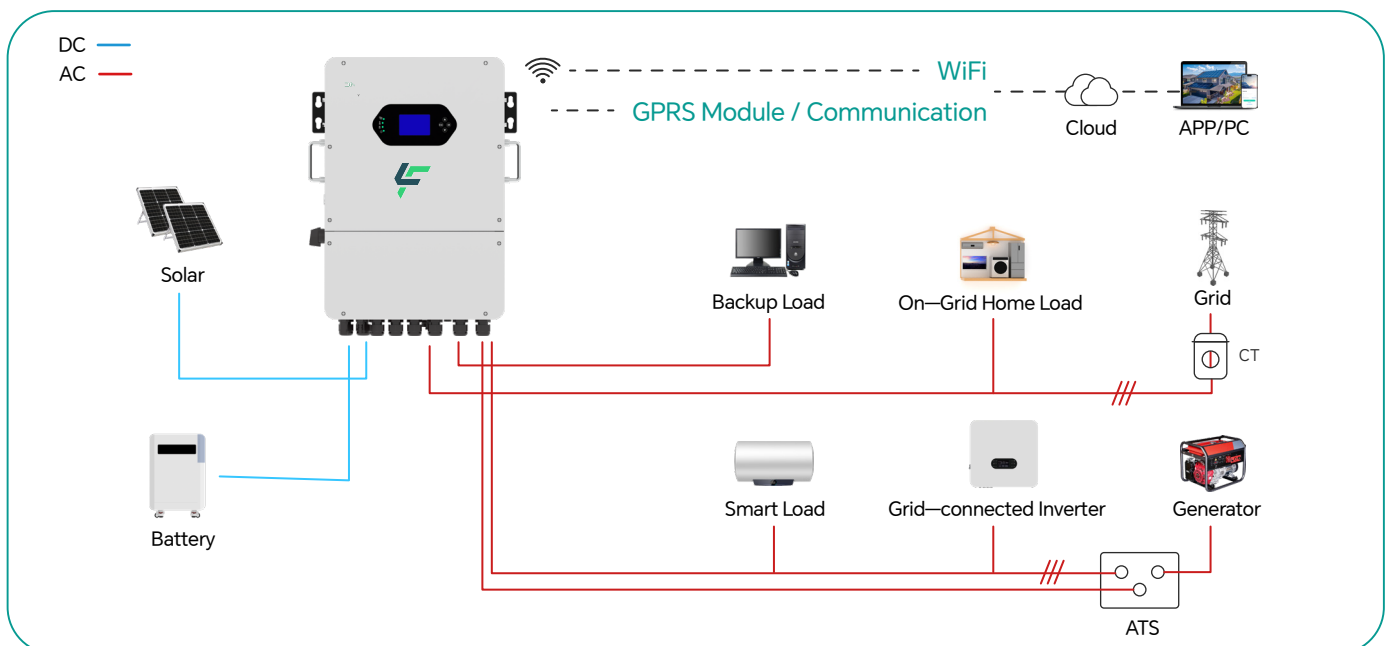
LFM02-P3M6K-EU
LFM02-P3M8K-EU



LFM02-P3M10K-EU
LFM02-P3M12K-EU



- Supports up to 12 units in parallel operation, meeting the demands of small-scale industrial and commercial energy storage applications.
- Grid-to-off-grid switching time is less than 10 ms, ensuring uninterrupted power supply to critical equipment.
- Allows configuration of up to 6 battery charging time periods and cut-off thresholds.
- Supports maximum power charging and discharging modes.
- Compatible with diesel generators for battery charging and load power supply.
- High system efficiency with intelligent air-cooling to prolong overall service life.
- Integrated communication interfaces including RS485, CAN, and WiFi (via App/PC Cloud monitoring).
- Smart load management, CT sensing, ATS support, and optional GPRS module for remote connectivity.



Model	6K	8K	10K	12K
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Battery Input Data

BatteryType	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40~60			
Max. Charging Current (A)	135	175	220	250
Max. Discharging Current (A)	135	175	220	250
External Temperature Sensor	yes			

PV String Input Data

Max.DC input Power(W)	7800	10400	13000	15600
Rated PV Input Voltage (V)	550(160~800)			
Start-up Voltage (V)	160			
MPPT Voltage Range (V)	200~650			
Full Load DC Voltage Range (V)	350~650			
PV input Current(A)	13+13		26+13	
Max. PV Isc (A)	22+22		34+22	
No. of MPPT Trackers	2		2	
Number of Strings per MPPT Tracker	1+1		1+1	

AC input/Output Data

Rated AC Output Active Power (W)	6000	8000	10000	12000
Max AC Output Active Power (VA)	6600	8800	11000	13200
AC Input/Output Rated Current (A)	9.6/8.7	12.8/11.6	15/14.5	18.2/17.4
Max AC input/Output Current (A)	10/9.6	13.4/12.8	16.7/15.9	20/19.1
Max.Three-phase Unbalanced Output Current(A)	13.6/13	18.2/17.4	22.7/21.7	27.3/26.1
Max. Output short circuit current(A)	75			
Max.Continuous AC Passthrough(A)	45			
Peak Power (off grid)	Double rated Power,10S			
Power Factor	0.8 leadingto 0.8 lagging			
Output Frequency and Voltage	50/60Hz;3L/N/PE 220/380Vac,230/400Vac			
Grid Type	Three Phase			
Total Harmonic Distortion (THDi)	<3% (of nominal power)			
DC Current Injection	<0.5% In			

Efficiency

Max. Efficiency	97.60%
Euro Efficiency	97.0%
MPPT Efficiency	>99.0%

Certifications and Standards

Grid Regulation	IEC62116,IEC61727
Safety EMC/Standard	EN61000-6-2/-4;EN62109-1,EN62109-2

General Data

OperatingTemperature Range (°c)	-40~60°C,>55°C Derating		
Cooling	Smart Cooling		
Noise(dB)	<50 dB		
Communication with BMS	RS485;CAN		
Monitor mode	WiFi,APP		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 Years (10 Years Optional)		
Net Weight (kg)	25.5		35
Gross weight(kg)	28.5		39
Cabinet Size(LxWxHmm)	560x340x257		629.9x430x256mm

Packing parameters

Outer box dimensions	685x445x340(mm)	765x535x340(mm)
Pallet dimensions	1420x940x120(mm)	1580x1120x120(mm)
Pallet 20GP	6 layers:192pcs;5550kg	6 layers:168pcs;6750kg
Pallet 40GP	6 layers:384pcs;11120kg	6 layers:336pcs;13500kg
Pallet 40HQ	7 layers:448pcs;13070kg	7 layers:392pcs;15700kg
Without pallet 20GP	6 layers:294pcs;8379kg	6 layers:231pcs;9010kg
Without pallet 40GP	6 layers:616pcs;17556kg	6 layers:469pcs;18300kg
Without pallet 40HQ	7 layers:616pcs;17556kg	7 layers:469pcs;18300kg