



LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY
INF-LFP Series

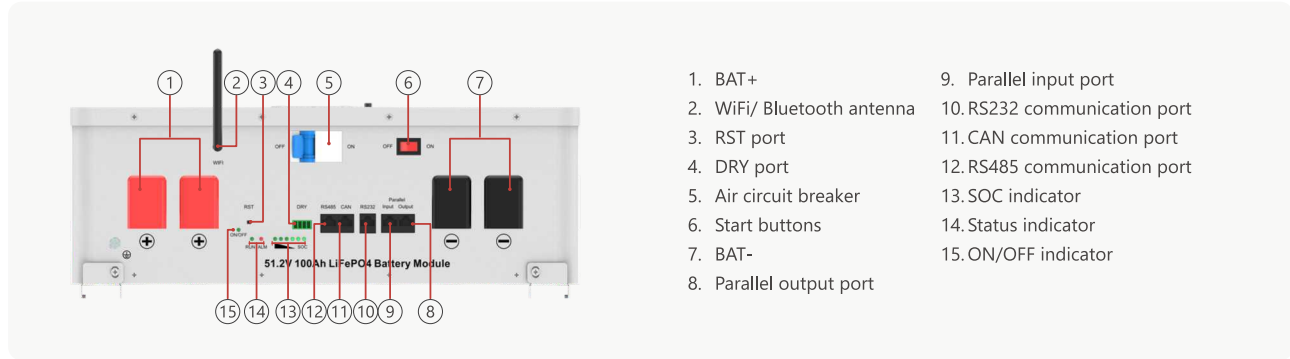
2.56~16.384KWH | WIFI

The INF-LFP Series offers a versatile and reliable power solution. Combine up to 40 units for energy capacities ranging from 2560Wh to 16384Wh. With WiFi Remote Monitoring, stay connected and in control. Whether it's wall-mounted convenience, stacked-mounting (up to 5 units) for space efficiency, or rack-mounted for industrial power management, this series offers seamless adaptability.



- 3-in-1: Wall-mounted, Stacked-mounted, Rack-mounted(optional)
- Vertical-mounted only for INF-LFP-48300 & INF-LFP-48320
- Large capacity, high power output
- Safest lithium iron phosphate battery cell with high energy density
- Modular design: supports up to 40 units in parallel
- Support CAN & RS485 communication with mainstream inverters
- Local monitoring via LCD monitor
- Built-in WiFi/Bluetooth Module

Back panel description



Installation method



Technical Data		INF-LFP 48100
Nominal Voltage		51.2V
Nominal Capacity		100Ah
Nominal energy		5120Wh
Max. output power		5KW
Life Cycles		≥6000(25°C+2°C,80%DOD,70%EOL)
Recommended Charge Voltage		58.4V
Recommended Charge Current		20A
End Of Discharge Voltage		44V
Standard Method	Charge	20A
	Discharge	50A
Maximum Continuous Current	Charge	100A
	Discharge	100A
BMS Cut-Off Voltage	Charge	58.4 V (3.65V/Cell)
	Discharge	44.0V (2.75V/Cell)
Temperature	Charge	0 to 55°C
	Discharge	-20 to 60°C
Storage Temperature		-5 to 35°C
Shipment Voltage		≥51.2V
Safety Function		Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections
Module Parallel		Up to 40 units
Communication		CAN2.0/RS232/RS485
IP Protection level		IP21
Case Material		SPCC
Installation Mode		Wall-mounted, Stacked-mounted, Rack-mounted(optional)
Machine Dimension (W*H*D) (mm)		442*625.5*177
Package Dimension (W*H*D) (mm)	carton box	557*227*688
	wooden box	/
N.W (kg)		45
G.W (kg)	carton box	79
	wooden box	/
Charge Retention And Capacity Recovery Capability		Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90%
Warranty		5 years
Certification & Standards		CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019) IEC62619-1:2018; IEC62619:2022; IEC62619:2017; UN38.3/ MSDS

*The technical specifications of this document are subject to change without any notice