

LFR Series

Low Voltage Energy Storage Battery



LFR Series is a low voltage battery that offers energy capacity from minimum 5.12kWh to maximum 153.6kWh. With high quality LiFePO₄(Lithium iron phosphate) cells from Gotion/REPT/EVE/TianNeng, LFR Series comes with high charging rate, long cycle life, and safe operation. LFR Series is designed for rack mount installation.



Brand New LiFePO ₄ Cells	Max.15 Units in Parallel	Wide Inverter Compatibility
6000 Cycles Lifetime	90% DoD	5 Years Warranty

* Outlook of the product may be subject to change without notice during product improving.

LFR Series*

Model	LFR51100	LFR51200
Rated Energy*	5.12 kWh	10.24 kWh
Usable Energy*	4.608 kWh	9.216 kWh
Rated Voltage	51.2V	51.2V
Operating Voltage	48~56V	48~56V
Norminal Capacity	100Ah	200Ah
Cell Type	LiFePO4, brand of Gotion/REPT/EVE/TianNeng	
Cell Configuration	16S	16S
Depth of Discharge (DOD)	90%	90%
Max Charge Current*	50A	100A
Max Charge Voltage*	58.4V	58.4V
Max Discharge Current*	100A	100A
Max Power Output*	5KW	5 KW
Communication	CAN/RS485/RS232	CAN/RS485/RS232
Cycle Life*	6000	6000
Weight	50 Kg	90 Kg
Dimensions (W × D × H)	484 x 410 x 178 mm	484 x 590 x 178 mm
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C/Storage:-20~45°C	
Humidity	≤90%	
Operating Altitude	≤2000m	
Protection	Over Temperature, Over Current, Short Circuit, Over-charging, Over-discharging, Low Voltage	
Certification	CE, UN38.3, MSDS	
Warranty	5 Years	

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Rated Energy*: Conditions, 100% DOD, 0.5C charge & discharge at +25±3°C.

Usable Energy*: Conditions, 90% DOD, 0.5C charge & discharge at +25±3°C

Max Charge Current*/Max Charge Voltage*/Max Discharge Current*/Max Charge/Max Power Output*: Power derating will occur related to Temperature and SOC.

Cycle Life*: Conditions, 80% DOD, 0.2C charge & discharge at +25±3°C.