

Rack-mounted energy storage (Home/Industrial)

Pack modular design, strong universality, convenient installation, simple operation, independent maintenance, high reliability, safety, large space, conducive to ventilation and heat dissipation, is the main component of household power supply, lithium iron phosphate battery has a long life, enough stability, more security and other characteristics.



Safe



Easy
Mounting



Independent
Maintenance



Good Heat
Dissipation



Model	LFR-4850/5150	LFR-48100/51100	LFR-48150/51150	LFR-48200/51200
Standard Voltage	48VDc/51.2VDc			
Voltage	39.75-54.75VDc/42.4-58.4VDc			
Norminal Capacity	50Ah	100Ah	150Ah	200Ah
Rated Capacity	2.4/2.56kWh	4.8/5.12kWh	7.2/7.68kWh	9.6/10.24kWh
Commumication Protocol	CAN / RS485 / WIFI / 4G / Blue Tooth			
Efficiency (at 0.5C)	98%			
Cell Self-Discharge	<5 % / Month			
Maximum Allowed Modules in Parallel	15 (36/38.4kWh)	15 (72/76.8kWh)	15 (108/115.2kWh)	15 (144/153.6kWh)
Depth of Discharge	Up to 100%			
Useful Life	8-10 Years			
Cycle Life	6000 (@ 80% DoD)			
Protection	Over temperature, overcurrent, short circuit, over-charging, over-discharging, Low voltage			
Charge Specifications				
Recommended Charge Current	25A	50A	50A	50A
Maximum Charge Current	50A	100A	100A	100A
Recommended Charge Voltage	54/57.6V	54/57.6V	54/57.6V	54/57.6V
Maximum Charge Voltage	54.75/58.4V	54.75/58.4V	54.75/58.4V	54.75/58.4V
Discharge Specifications				
Recommended Discharge Current	25A	50A	50A	50A
Maximum Discharge Current	50A	100A	100A	100A
Recommended Low Voltage Disconnect	41.25/44V			
Battery Low Voltage Protection	39.75/42.4V			
Battery Recovery Voltage	45/48V			
Mechanical Specifications				
Dimenstions:	484*410*120mm	484*410*178mm	484*590*178mm	484*590*178mm
Weight	24.5/26.5kgs	38.5/41kgs	59/63kgs	70.5/75kgs
Terminal Type	M6			
Case Material	Industrial Grade Iron			
Enclosure Protection	IP20			
Installation	Cabinet			
Cell Type Chemistry	LiFeP04			
Compliance Specifications				
Certifications	CE,FCC, CCC			
Shipping Classification	UN 38.3. UN 3480, Class 9			
Temperature Specifications				
Discharge Temperature	-20~65℃	-20~65℃	-20~65℃	-20~65℃
Charge Temperature	0~55℃	0~55℃	0~55℃	0~55℃
Storage Temperature	-20~45℃	-20~45℃	-20~45℃	-20~45℃