



Rack-mounted energy storage (Home/Industrial)



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 Energy Capacity	2.4/2.56kWh	4.8/5.12kWh	7.2/7.68kWh	9.6/10.24kWh
Commumication Protocol	CAN/RS485/RS232/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, over current, short circuit, over-charging, over-discharging, Low voltage			
Charge Specifications				
Recommended Charge Current	25A	50A	75A	100A
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	75A	100A
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	24.5/26.5kg	38.5/41kg	59/63kg	70.5/75kg

Terminal Type	M6			
Case Material	Industrial Grade Iron			
Enclosure Protection	IP20			
Installation	Cabinet			
Cell Type Chemistry	LiFePO4			
Compliance Specifications				
Certifications	CE,FCC, CCC			
Shipping Classification	UN 38.3. UN 3480, Class 9			
Temperature Specifications				
Discharge Temperature	-20~65°C	-20~65°C	-20~65°C	-20~65°C
Charge Temperature	0~55°C	0~55°C	0~55°C	0~55°C
Storage Temperature	-20~45°C	-20~45°C	-20~45°C	-20~45°C