

RACK-MOUNTED ENERGY STORAGE

(LFR24100/LFR51100/LFR51200/LFR51280/LFR51314)

Pack modular design, strong universality, convenient installation, simple operation, independent maintenance, hiah reliabilty, 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.

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Safety and Security
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Easy Mounting
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Independent Maintenance
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Good Heat Dissipation



Model	LFR24100	LFR51100	LFR51200	LFR51280	LFR51314
Standard Voltage	25.6VDC	51.2VDC			
Voltage	21.6-29VDC	43.2-57.6VDC			
Norminal Capacity	100Ah	100Ah	200Ah	280Ah	314Ah
Rated Energy Capacity	2.56kWh	5.12kWh	10.24kWh	14.34kWh	16.08kWh
Communication Protocol	CAN/RS485/WIFI/4G/Blue Tooth				
Efficiency (at 0.5C)	98%				
Cell Self-Discharge	<3 %/ Month				
Maximum Units in Parallel	15 (38.4kWh)	15 (76.8kWh)	15 (153.6kWh)	15 (215kWh)	15 (241.2kWh)
Depth of Discharge	Up to 100%				
Useful Life	8-10 Years				
Cycle Life	6000 (@ 80% DoD,0.2C,25 ℃)				
Protection	Over temperature, over current, short circuit, over-charging, over-discharging, Low voltage				
Certifications	CE,IEC,CCC				
Shipping Classification	UN 38.3,MSDS				
Discharge Temperature	-20~55 ℃				
Charge Temperature	0~55 ℃				
Storage Temperature	-30 ℃ ~45 ℃ (1 month);-30 ℃ ~35 ℃ (6 months)				
Cell Type Chemistry	LiFePO4				

Model	LFR24100	LFR51100	LFR51200	LFR51280	LFR51314
Charge Specifications					
Recommended Charge Current	50A	50A	100A	100A	100A
Maximum Charge Current	50A	50A	100A	200A	200A
Recommended Charge Voltage	28V	57.6V	57.6V	57.6V	57.6V
Float Charging Voltage	27V	54V	54V	54V	54V
Discharge Specifications					
Recommended Discharge Current	100A				
Maximum Discharge Current	100A				
Discharging Cut-Off Conditions	SOC≤5%,Or TotalVoltage ≤23.2V or Units2.9V	SOC≤15% Or Total Voltage ≤46.4V Or Cell Voltages≤2.9V			
Battery Low Voltage Protection	23.4V	46.4V			
Battery Recovery Voltage	24V	48V			
Mechanical Specifications					
Dimenstions(W*D*H)	482.6*331*160mm	482.6*468*178mm	482.6*488*237mm	484*750*240mm	484*750*240mm
Weight	28±3kg	55±3kg	83±3kg	106±3kg	111±3kg
Terminal Type	M6				
Case Material	Industrial Grade Iron				
Enclosure Protection	IP20				
Installation	Cabinet				