

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				

WALL MOUNTED ENERGY STORAGE

(LFW24100/LFW51100/LFW51200)

Light and convenient household energy storage option, light weight, small size, integrated body design, plug and play, easy installation, more convenient space optimization energy storage scheme.



Model	LFW24100	LFW51100	LFW51200
Standard Voltage	25.6VDc	51.2VDc	
Voltage	21.6-29VDc	43.2-57.6VDc	
Norminal Capacity	100Ah	100Ah	200Ah
Rated Energy Capacity	2.56kWh	5.12kWh	10.24kWh
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)
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	LFW24100	LFW51100	LFW51200
Charge Specifications			
Recommended Charge Current	50A	50A	100A
Maximum Charge Current	50A	50A	100A
Recommended Charge Voltage	28V	57.6V	57.6V
Float Charging Voltage	27V	54V	54V
Discharge Specifications			
Recommended Discharge Current	100A		
Maximum Discharge Current	100A		
Discharging Cut-Off Conditions	SOC≤5%,Or Total Voltage ≤23.2V or Unit≤2.9V	SOC≤15% Or Total Voltage ≤46.4V Or Cell Voltage≤2.9V	
Battery Low Voltage Protection	23.4V	46.4V	
Battery Recovery Voltage	24V	48V	
Mechanical Specifications			
Dimenstions	562*372*125mm	600*423*203mm	600*423*266mm
Weight	28±3kg	55±3kg	83±3kg
Terminal Type	M6		
Case Material	Industrial Grade Iron		
Enclosure Protection	IP20		
Installation	Cabinet or Wall Installation		

FLOOR STANDING ENERGY STORAGE

(LFF51280/LFF51280-1/LFF51314)

Floor standing home energy storage, a convenient home energy storage option, high mobility, integrated body design, plug and play, easy installation.A more convenient space-optimized energy storage solution.



Model	LFF51280	LFF51280-1	LFF51314
Product Specification	51.2V280Ah	51.2V280Ah	51.2V314Ah
Battery Parameters			
Battery Type	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)
Rated Voltage	51.2V	51.2V	51.2V
Voltage Range	43.2-57.6V	43.2-57.6V	43.2-57.6V
Equalizing Charge	57.6V	57.6V	57.6V
Charge-Down Current Turn-On Conditions	Single Voltage ≥3.55V	Single Voltage ≥3.55V	Single Voltage ≥3.55V
Charge Current Drop Value	≤40A	≤40A	≤40A
Charge Current Cut-off Voltage	57.6V or Single Current≥3.6A	57.6V or Single Current≥3.6A	57.6V or Single Current≥3.6A
Max Charge/Discharge Current	200/200A	200/200A	200/200A
Rated Battery Capacity	280Ah	280Ah	314Ah

Model	LFF51280	LFF51280-1	LFF51314
Rated Battery Energy	14.34kWh	14.34kWh	16.08kWh
Cut-off Discharge Voltage	SOC≤5%		
	Or Total Voltages≤46.2V		
	Or Single Cell Voltages≤2.7V		
Charge/Discharge Temperature	0℃~55℃ /-20℃~55℃	-5℃~55℃ /-10℃~55℃	
Storage Temperature	-30℃~45℃（1 month）；-30℃~35℃（6 months）		
General Features			
Product Size(W*D*H)±1.2mm	541*316*882mm	528*250*849mm	528*250*849mm
Product Weight ±3kg	139.5kg	127kg	132kg
* The rated capacity indicates the current discharged by charging with 0.5C current to the cutoff under the condition of 25±5℃, and then discharging with 0.5C to the cutoff state after standing for 30min.			