

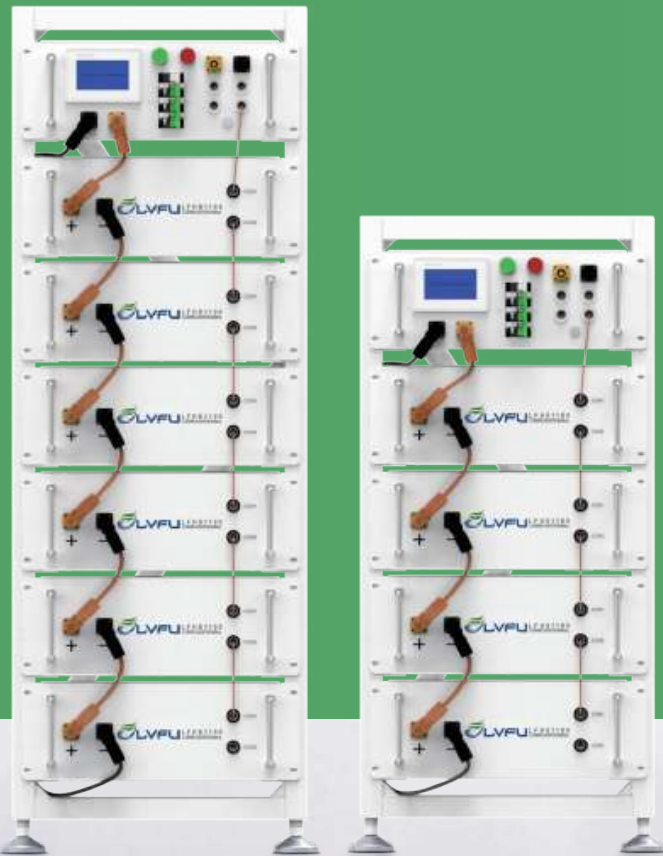


GREENFAITH

LVFU ENERGY
Europe Stock

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Focusing On Providing High-quality Solutions For Household Energy Storage And Industrial Energy Storage



**Faith in Nature,
Power in Green.**

To be the leading provider of innovative and precision-crafted Lifepo4 batteries, setting new standards in energy storage solutions and sustainable technology.

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-48100/51100	LFR-48200/51200
Standard Voltage	48VDc/51.2VDc	
Voltage	39.75-54.75VDc/42.4-58.4VDc	
Norminal Capacity	100Ah	200Ah
Rated Energy Capacity	4.8/5.12kWh	9.6/10.24kWh
Commumication Protocol	CAN/RS485/WIFI/4G/Blue Tooth	
Efficiency (at 0.5C)	98%	
Cell Self-Discharge	<5 %/ Month	
Maximum Units in Parallel	15 (72/76.8kWh)	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	50A	100A
Maximum Charge Current	100A	100A
Recommended Charge Voltage	54/57.6V	54/57.6V
Maximum Charge Voltage	54.75/58.4V	54.75/58.4V
Discharge Specifications		
Recommended Discharge Current	50A	100A
Maximum Discharge Current	100A	100A
Recommended Voltage Disconnect	41.25/44V	
Battery Low Voltage Protection	39.75/42.4V	
Battery Recovery Voltage	45/48V	
Mechanical Specifications		
Dimenstions	484*425*176.5mm	484*750*240mm
Weight	38.5/41kg	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 ℃	-20~65 ℃
Charge Temperature	0~55 ℃	0~55 ℃
Storage Temperature	-20~45 ℃	-20~45 ℃

Wall Mounted energy storage (Home)

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.



Long Life



Mobility



Space Saving



Home
Appliance Style



Model	LFW-48100/51100	LFW-48200/51200
Standard Voltage	48VDc/51.2VDc	
Voltage	39.75-54.75VDc/42.4-58.4VDc	
Norminal Capacity	100Ah	200Ah
Rated Energy Capacity	4.8/5.12kWh	9.6/10.24kWh
Communication Protocol	CAN/RS485/WIFI/4G/Blue Tooth	
Efficiency (at 0.5C)	98%	
Cell Self-Discharge	<5 %/ Month	
Maximum Units in Parallel	15 (72/76.8kWh)	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	50A	100A
Maximum Charge Current	100A	100A
Recommended Charge Voltage	54/57.6V	54/57.6V
Maximum Charge Voltage	54.75/58.4V	54.75/58.4V
Disharge Specifications		
Recommended Discharge Current	50A	100A
Maximum Discharge Current	100A	100A
Recommended Voltage Disconnect	41.25/44V	
Battery Low Voltage Protection	39.75/42.4V	
Battery Recovery Voltage	45/48V	
Mechanical Specifications		
Dimenstions	510*440*220mm	690*530*215mm
Weight	50/53.5kg	90/96kg
Terminal Type	M6	
Case Material	Industrial Grade Iron	
Enclosure Protection	IP20	
Installation	Cabinet or Wall installation	
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 ℃	-20~65 ℃
Charge Temperature	0~55 ℃	0~55 ℃
Storage Temperature	-20~45 ℃	-20~45 ℃

High voltage Rack-mounted energy storage (Home/Industrial)

High-voltage rack-mounted home energy storage, PACK modular design, strong versatility, convenient installation, simple operation, and can be independently maintained. High reliability and safety, large space, conducive to ventilation and heat dissipation, it is an important component of home power supply. Lithium iron phosphate batteries have Long life, stable enough, safer and other characteristics.



Safe



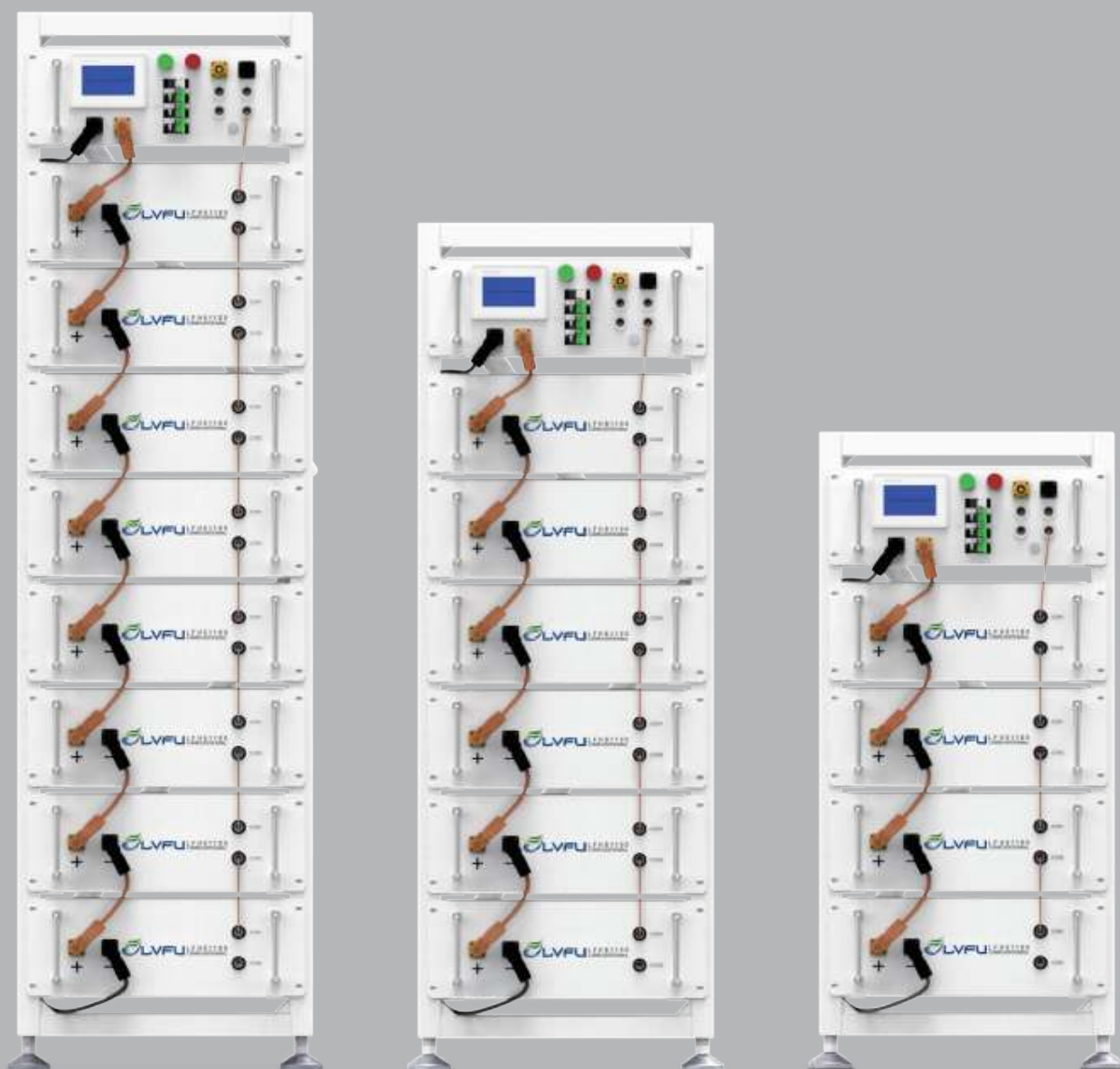
Easy
Mounting



Independent
Maintenance



Good Heat
Dissipation



Model	LFH51100	
Battery pack parameter		
Cell type	LFP	
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	
Rated capacity	5.12kWh	
Max Charging/Discharging rate	1C/100A	
Size	421*480*165mm	
Weight		
Usage	8-10 Years	
Life Cycle	6000 (@ 80% DoD)	
Stackable pc(s)		
Max Stackable pc(s)	8 PCS	12 PCS
Nominal Voltage	409.6V	614.4V
Work Voltage	345.6-460.8V	518.4-691.2V
Relevant capacity	40.93kWh	61.44kWh
General Parameter		
Cabinet Size	506*556*1835 mm	506*556*2410 mm
Cabinet Weight	75kg	98kg
Case Material	Industrial Grade Iron	
Enclosure Protection	IP20	
Installation	Cabinet	
Communication	CAN/RS485(WIFI,bluetooth is optional and need extra cost)	
Certifications	CE,FCC, CCC	
Shipping Classification	UN 38.3. UN 3480, MSDS	

Floor Standing Energy Storage(Home)

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.



Long Life



Mobility



Space Saving



Home
Appliance Style



Model	LFF51280
Product Specification	51.2V280Ah
Battery Parameters	
Battery Type	LFP(LiFePO4)
Nominal Voltage	51.2V
Voltage Range	44-57.6V
Float charging voltage	54V
Charging Current Reduction Opening Conditions	Total Voltage $\geq 56V$
	Or Single Cell Voltage $\geq 3.5V$
Charging Current Reduction Value	$\leq 10A$
Cut-off Charge Voltage	57.6V
	Or Single Cell Voltage $\geq 3.63V$
Maximum Charge/Discharge Current	200A/200A
Cut-off Discharge Voltage	SOC $\leq 5\%$
	Or Total Voltage $\leq 46.4V$
	Or Single Cell Voltage $\leq 2.9V$
Rated Battery Capacity	280Ah
Rated Battery Energy	14.34kWh
General Features	
Product Size(W*D*H) $\pm 1.2mm$	544*315*888.5mm
Product Weight $\pm 3kg$	133kg

* Rated capacity means the current discharged when charging to cut-off at 0.5C current at $25\pm 5^{\circ}C$, leaving it for 30 minutes, and then discharging to cut-off state at 0.5C current.



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