



CHENGDU GREENFAITH NEW ENERGY TECHNOLOGY CO., LTD.  
 Room 4209, Building 3, 88 Jitai 5th Road, High-Tech Zone, Pilot Free Trade Zone,  
 Chengdu, Sichuan, P.R.China  
 TEL: +86-028-62328322 FAX: +86-028-62328322  
 www.lvfubattery.com

Contact Info: Cliff Lee, Phone&Whatsapp: +86 132 4980 1065, Email: lfgfbattery11@lvfugf.com

## 48V Energy Storage LiFePO4(LFP) Battery Datasheet & Price List



Specifications	Parameter				
Battery Model	48V100Ah	48V200Ah	48V300Ah	48V400Ah	48V600Ah
Battery Type	LiFePO4 (CATL/BYD/EVE/GOTION, Grade A Cell)				
Norminal Voltage	48V, 15S	48V, 15S	48V, 15S	48V, 15S	48V, 15S
Energy Capacity (+25°C, 0.2C)	4800Wh	9600Wh	14400Wh	19200Wh	28800Wh
Voltage Range(V-DC)	42V - 54.75V				
Maximum Continuous Charging Current	50A			100A	
Maximum Continuous Discharging Current	100A			200A	
Maximum Pulse Current	200A, 3S			400A, 3S	
Product Size/Weight	580*450*210 mm, 57Kg	580*605*210 mm, 92.5Kg	580*450*380 mm, 122Kg	600*600*1200 mm, 240Kg	600*600*1600 mm, 365Kg
Packaging Size/Weight	630*500*260 mm, 58.8kg	630*655*260 mm, 95kg	630*810*260 mm, 125KG	700*700*1400 mm, 270Kg	700*700*1800 mm, 396Kg
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Maximum Parallel Unit	16 units				
Cycle Life (+25°C, 0.2C)	6000 times				
Storage Charging	Charging the battery one time per 3 months at least, voltage must remain above 45V				
Warranty	5 years				
Case Material	Steel				
Battery Protection	Overcharge protection, over discharge protection, over current protection, over heat protection, short circuit protection				
Communication Protocol	LCD/Heating/CAN/485/232				
Compatible Inverter List	LVFU, Deye, GOODWE, PYLON, SOLARFAM, VICTRON, GROWATT, SOLAX, SOFAR, LUXPOWER, MUST, LTW, SOROTEC, MEGAREVO, VoltronicPower, SRNE				
<b>OEM and ODM are available, all specifications above are available for customization.</b>					



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## 51.2V Energy Storage LiFePO4(LFP) Battery Datasheet & Price List



Specifications	Parameter				
Battery Model	51.2V100Ah	51.2V200Ah	51.2V300Ah	51.2V400Ah	51.2V600Ah
Battery Type	LiFePO4 (CATL/BYD/EVE/GOTION, Grade A Cell)				
Normal Voltage	51.2V, 16S	51.2V, 16S	51.2V, 16S	51.2V, 16S	51.2V, 16S
Energy Capacity (+25°C, 0.2C)	5120Wh	10240Wh	15360Wh	20480Wh	30720Wh
Voltage Range(V-DC)	44.8V - 58.4V				
Maximum Continuous Charging Current	50A			100A	
Maximum Continuous Discharging Current	100A			200A	
Maximum Pulse Current	200A, 3S			400A, 3S	
Product Size/Weight	580*450*210 mm, 60Kg	580*605*210 mm, 96Kg	580*450*380 mm, 127Kg	600*600*1200 mm, 255Kg	600*600*1600 mm, 374Kg
Packaging Size/Weight	630*500*260 mm, 63kg	630*655*260 mm, 101kg	630*810*260 mm, 132KG	700*700*1400 mm, 278Kg	700*700*1800 mm, 405Kg
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Maximum Parallel Unit	16 units				
Cycle Life (+25°C, 0.2C)	6000 times				
Storage Charging	Charging the battery one time per 3 months at least, voltage must remain above 46V				
Warranty	5 years				
Case Material	Steel				
Battery Protection	Overcharge protection, over discharge protection, over current protection, over heat protection, short circuit protection				
Communication Protocol	LCD/Heating/CAN/485/232				
Compatible Inverter List	LVFU, Deye, GOODWE, PYLON, SOLARFAM, VICTRON, GROWATT, SOLAX, SOFAR, LUXPOWER, MUST, LTW, SOROTEC, MEGAREVO, VoltronicPower, SRNE				
<b>OEM and ODM are available, all specifications above are available for customization.</b>					



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## 48V / 51.2V Energy Storage LiFePO4(LFP) Powerwall Battery Datasheet & Price List



Specifications	Parameter					
Battery Model	48V100Ah	48V200Ah	48V300Ah	51.2V100Ah	51.2V200Ah	51.2V300Ah
Battery Type	LiFePO4 (CATL/BYD/EVE/GOTION, Grade A Cell)					
Norminal Voltage	48V, 15S	48V, 15S	48V, 15S	51.2V, 16S	51.2V, 16S	51.2V, 16S
Energy Capacity (+25°C, 0.2C)	4800Wh	9600Wh	14400Wh	5120Wh	10240Wh	15360Wh
Voltage Range(V-DC)	42V - 54.75V			44.8V - 58.4V		
Maximum Continuous Charging Current	50A					
Maximum Continuous Discharging Current	100A					
Maximum Pulse Current	200A, 3S					
Product Size/Weight	580*450*225 mm, 59Kg	580*605*225 mm, 94.5Kg	580*760*225 mm, 125Kg	580*450*230 mm, 63Kg	580*605*230 mm, 98Kg	580*760*230 mm, 131Kg
Packaging Size/Weight	630*500*280 mm, 62kg	630*655*280 mm, 98kg	630*810*280 mm, 129KG	630*500*280 mm, 69Kg	630*655*280 mm, 107Kg	630*810*280 mm, 143Kg
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Maximum Parallel Unit	16 units					
Cycle Life (+25°C, 0.2C)	6000 times					
Storage Charging	Charging the battery one time per 3 months at least, voltage must remain above 46V					
Warranty	5 years					
Case Material	Steel					
Battery Protection	Overcharge protection, over discharge protection, over current protection, over heat protection, short circuit protection					
Communication Protocol	LCD/Heating/CAN/485/232					
Compatible Inverter List	LVFU, Deye, GOODWE, PYLON, SOLARFAM, VICTRON, GROWATT, SOLAX, SOFAR, LUXPOWER, MUST, LTW, SOROTEC, MEGAREVO, VoltronicPower, SRNE					
<b>OEM and ODM are available, all specifications above are available for customization.</b>						



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## 24V Energy Storage LiFePO4(LFP) Battery Datasheet & Price List



Specifications	Parameter					
Battery Model	24V100Ah	24V200Ah	24V300Ah	24V100Ah	24V200Ah	24V300Ah
Battery Type	LiFePO4 (CATL/BYD/EVE/GOTION, Grade A Cell)					
Norminal Voltage	25.6V	25.6V	25.6V	25.6V	25.6V	25.6V
Energy Capacity (+25°C, 0.2C)	2560Wh	5120Wh	7680Wh	2560Wh	5120Wh	7680Wh
Voltage Range(V-DC)	22.4V - 29.2V					
Maximum Continuous Charging Current	50A					
Maximum Continuous Discharging Current	100A					
Maximum Pulse Current	200A, 3S					
Product Size/Weight	460*290*176 mm, 35Kg	540*340*240 mm, 55Kg	610*340*240 mm, 68Kg	580*332*198 mm, 43Kg	580*295*297mm, 63Kg	610*340*297 mm, 73Kg
Packaging Size/Weight	510*340*310 mm, 38kg	590*390*290 mm, 58kg	660*390*290 mm, 71KG	620*372*238 mm, 46Kg	620*335*337 mm, 67Kg	650*380*337 mm, 78Kg
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Maximum Parallel Unit	16 units					
Cycle Life (+25°C, 0.2C)	6000 times					
Storage Charging	Charging the battery one time per 3 months at least, voltage must remain above 23.5V					
Warranty	5 years					
Case Material	Steel					
Battery Protection	Overcharge protection, over discharge protection, over current protection, over heat protection, short circuit protection					
Communication Protocol	LCD/Heating/CAN/485/232					
Compatible Inverter List	LVFU, Deye, GOODWE, PYLON, SOLARFAM, VICTRON, GROWATT, SOLAX, SOFAR, LUXPOWER, MUST, LTW, SOROTEC, MEGAREVO, VoltronicPower, SRNE					
<b>OEM and ODM are available, all specifications above are available for customization.</b>						



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## 12V / 24V Energy Storage LiFePO4(LFP) Battery Datasheet & Price List



Specifications	Parameter					
Battery Model	12V50Ah	12V100Ah	12V200Ah	12V300Ah	24V100Ah	24V200Ah
Battery Type	LiFePO4 (CATL/BYD/EVE/GOTION, Grade A Cell)					
Norminal Voltage	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V
Energy Capacity (+25°C, 0.2C)	640Wh	1280Wh	2560Wh	3840Wh	2560Wh	5120Wh
Voltage Range(V-DC)	10V - 14.4V			22.4V - 29.2V		
Maximum Continuous Charging Current	25A	50A	50A	100A	50A	50A
Maximum Continuous Discharging Current	50A	100A	100A	200A	100A	100A
Maximum Pulse Current	150A, 3S	300A, 3S	300A, 3S	400A, 3S	200A, 3S	200A, 3S
Product Size/Weight	260*168*209 mm, 6Kg	330*175*221 mm, 12Kg	532*207*215 mm, 22Kg	522*270*220 mm, 29Kg	522*240*218 mm, 22Kg	522*270*220 mm, 39Kg
Packaging Size/Weight	310*220*260 mm, 7.1kg	380*225*275 mm, 13.6kg	585*260*255 mm, 24KG	575*320*270 mm, 31Kg	575*290*270 mm, 24Kg	575*320*270 mm, 41Kg
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Maximum Series Unit	4 units, 48V				/	
Maximum Parallel Unit	10 units					
Cycle Life (+25°C, 0.2C)	6000 times					
Storage Charging	Charging the battery one time per 3 months at least, voltage must remain above 10.5V / 23.5V					
Warranty	5 years					
Case Material	ABS					
Battery Protection	Overcharge protection, over discharge protection, over current protection, over heat protection, short circuit protection					
Communication Protocol(Optional)	LCD/Bluetooth/Heating/485, Optional					
<b>OEM and ODM are available, all specifications above are available for customization.</b>						