



LifePower4 48V

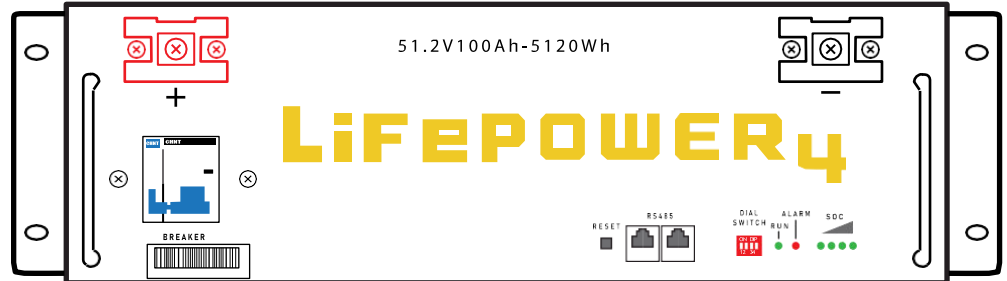
100Ah Battery

Built-In BMS **100A**

Storage Capacity **5.12 kWh**

5 Year Warranty

UL 1973 Listed
UL 9540A Compliant



Our EG4 LiFePOWER4 batteries offer second to none price to performance. Get peace of mind knowing these batteries are designed to last for more than 7000 deep charge and discharge cycles; beyond 15 years with an 80% depth of discharge daily!

Closed Loop Communications

Compatible with EG4, Schneider, & Growatt inverters.

PC Monitoring Software

See real-time statistics of your battery.

Parallel up to 16 Batteries

Get the most power possible! Up to 81.9 kWh while maintaining BMS communications.

Dual On-board Fire Arrestors and Built-In Circuit Breaker

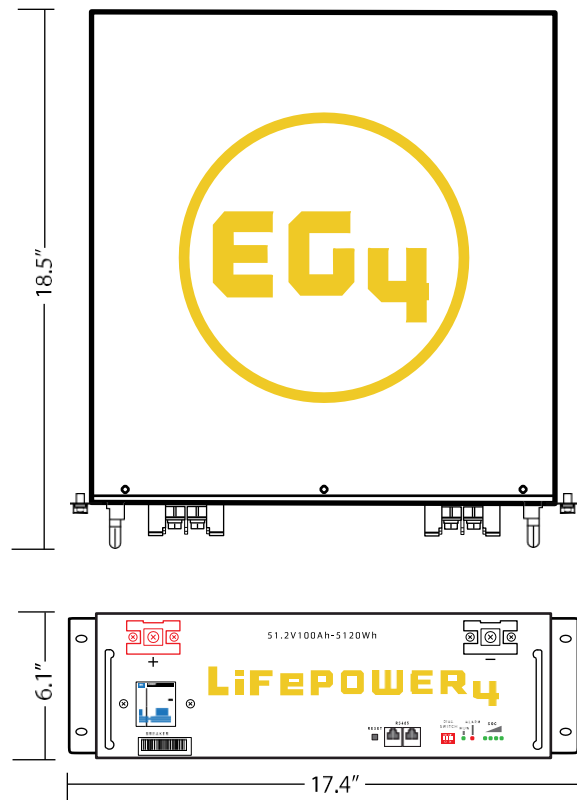
Offer fail-safe operation in high risk environments and protect against rare hardware failure on high voltage solar charge controllers.

Welded Prismatic Cell Connections

Never worry about losing power due to a loose internal connection.

Rack-Mount Design

4U server rack mounting makes it convenient to store.





LifePower4 48V

100Ah Battery

Nominal Operating Parameters

Voltage	51.2V
Capacity	100Ah
Charging Voltage (Bulk/Absorb)	56.2V (+/- 0.2V)
Float	54V (+/- 0.2V)
Low DC Cutoff	47-44V (depending on load - start high, lower if needed)
Charging Current	Max Constant Charge: 100A (30-50A recommended)
Discharging Current	Max Constant Discharge: 100A

Environmental Parameters

Charging Range	32°F to 122°F (0°C to 50°C)
Discharging Range	-4°F to 131°F (-20°C to 55°C)
Storage Range (Optimal)	32°F to 113°F (0°C to 45°C)
Ingress Protection	IP21
Altitude	<9843 ft. (3000 m)

BMS Parameters

Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.65V	1 sec	3.6V
Module Voltage Protection	58.4V	1 sec	57.6 V
Over Charging Current 1	>100A	20 sec	
Over Charging Current 2	≥120A	2 sec	
Temperature Protection	<32°F or >131°F (<0°C or >55°C)	1 sec	

Discharge

Cell Voltage Protection	2.5V	1 sec	2.7V
Module Voltage Protection	40.0V	1 sec	43.2V
Over Charging Current 1	>100A	10 sec	60 sec
Over Charging Current 2	>150A	3 sec	60 sec
Short-Circuit	>250A	1 sec	
Temperature Protection	<-4°F or >140°F (<-20°C or >60°C)	1 sec	

BMS	Parameter		Condition
PCB Temperature Protection	>203°F (>95°C)	Delay 1 sec	Recovery @ <167°F (<75°C)
Cell Balance	100mA	Passive Balance	Cell Voltage Difference >40mV
Temperature Accuracy	3%	Cycle Measurement	Measuring Range -40 to 100°C
Voltage Accuracy	0.5%	Cycle Measurement	For Cells & Module
Current Accuracy	3%	Cycle Measurement	Measuring Range -200 to +200
SOC	5%		Integral Calculation
Power Consumption - Sleep/Off Mode	<300uA	Delay 1 sec	Storage/Transport
Power Consumption - Operating Mode	<14mA		Charging/Discharging
Communication Ports	RS485		

