



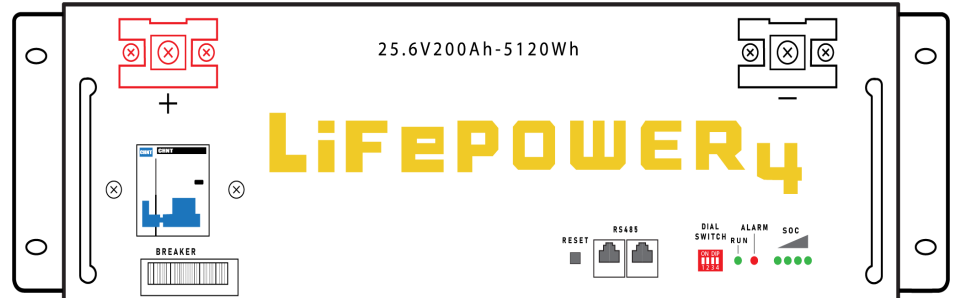
# LiFePOWER<sub>4</sub> 24V

## 200AH BATTERY

**Built-In BMS 100A**

**Storage Capacity 5.12 kWh**

**5 Year Warranty**



Our EG4 LiFePOWER<sub>4</sub> 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!

### 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.

### Built-In Circuit Breaker

For added safety.

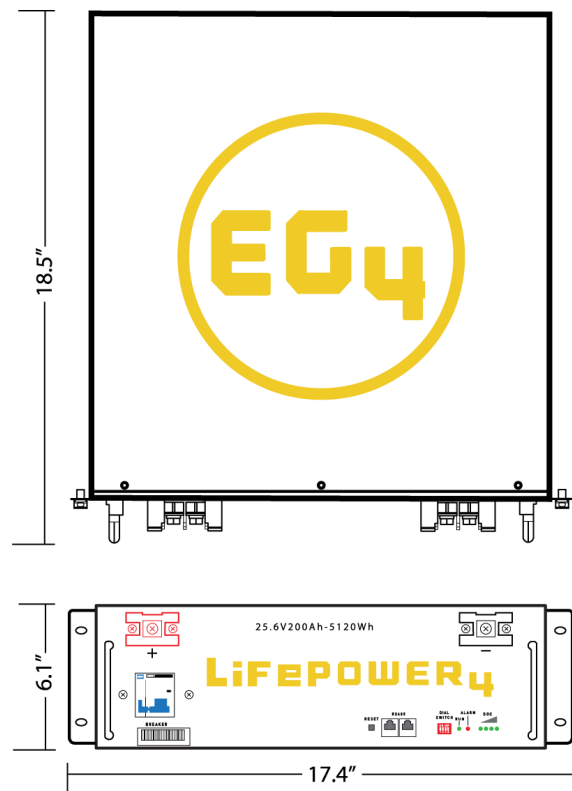
### Welded Prismatic Cell Connections

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

### Rack-Mount Design

4U server rack mounting makes it convenient to store.

**Closed loop communications with Growatt 24V inverters.**





# LIFEPOWER<sub>4</sub> 24V

## 200AH BATTERY

Nominal Operating Parameters			
Voltage	25.6V		
Capacity	200Ah		
Charging Voltage (Bulk/Absorb)	28.1V (+/- 0.2V)		
Float	27V (+/- 0.2V)		
Low DC Cutoff	23.5-22V (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)		
BMS Parameters			
Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.65V	1 sec	3.6V
Module Voltage Protection	29.2V	1 sec	28.8V
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	20.0V	1 sec	21.6V
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		

