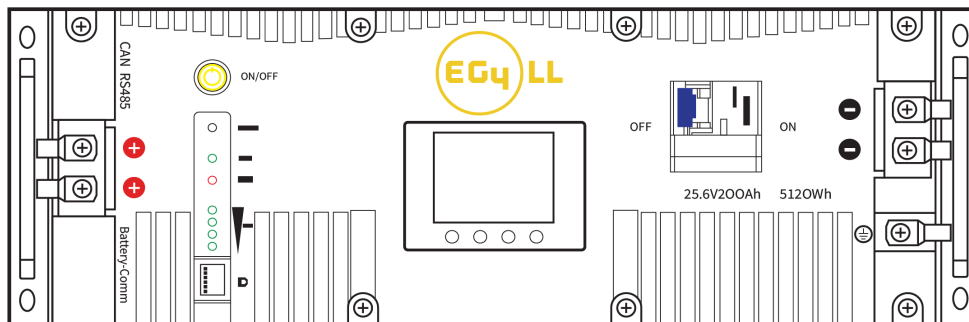




# EG4-LL 24V 200AH BATTERY

<b>Built in BMS</b>	<b>100A</b>
<b>Storage Capacity</b>	<b>5.12 KWH</b>
<b>10 Year Warranty</b>	



Our EG4-LL 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!

### On-board LCD Touch Screen

Easy to see BMS monitoring, and selectable closed-loop communications with Victron and Growatt inverters.

### Dual On-board Fire Arrestors

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.

### PC Monitoring Software

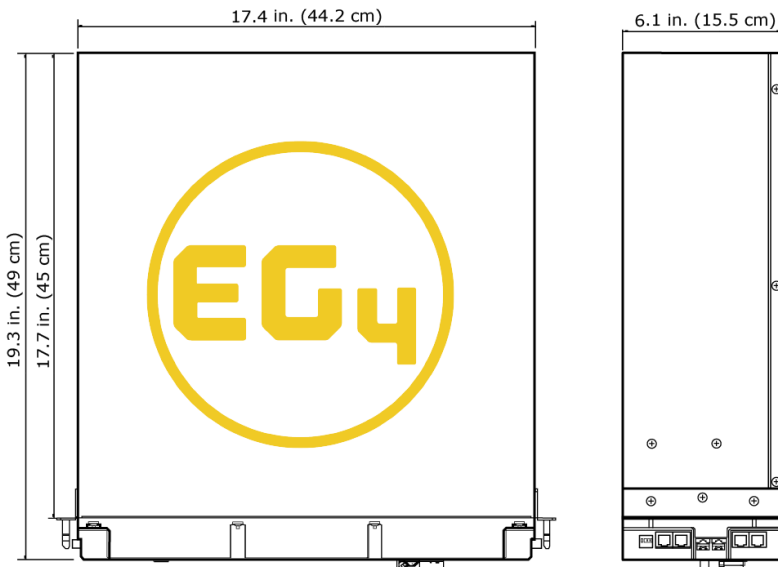
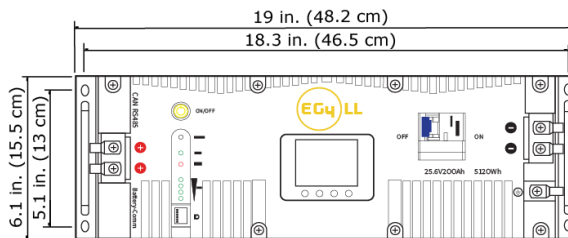
See real-time statistics of your battery.

### Parallel up to 16 Batteries

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

### Rack Mount Design

4U server rack mounting makes it convenient to store.





# EG4-LL 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 (30-50 recommended)		
Discharging Current	Max Constant Discharge: 100A		
Environmental Parameters			
Charging Range	32°F to 113°F (0°C to 45°C)		
Discharging Range	-4°F to 122°F (-20°C to 50°C)		
Storage Range	-4°F to 122°F (-20°C to 50°C)		
BMS Parameters			
Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.9V	1 sec	3.45V
Module Voltage Protection	30.0V	1 sec	28.8V
Over Charging Current 1	>102A	10 sec	
Over Charging Current 2	≥120A	3 sec	
Temperature Protection	<-5°C or >70°C	1 sec	>-0°C or <60°C
Discharge			
Cell Voltage Protection	2.3V	1 sec	3.1V
Module Voltage Protection	20.8V	1 sec	22.4V
Over Charging Current 1	>102A	10 sec	60 sec
Over Charging Current 2	>150A	3 sec	60 sec
Short-Circuit	>250A	0.1 mS	
Temperature Protection	<-20°C or >75°C	1 sec	>-10°C or <65°C
BMS	Parameter	Condition	
PCB Temperature Protection	>105°C	Delay 1 sec	Recovery @ <80°C
Cell Balance	120mA	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		Storage/Transport
Power Consumption - Operating Mode	<20mA		Charging/Discharging
Communication Ports	RS485/CAN		

