



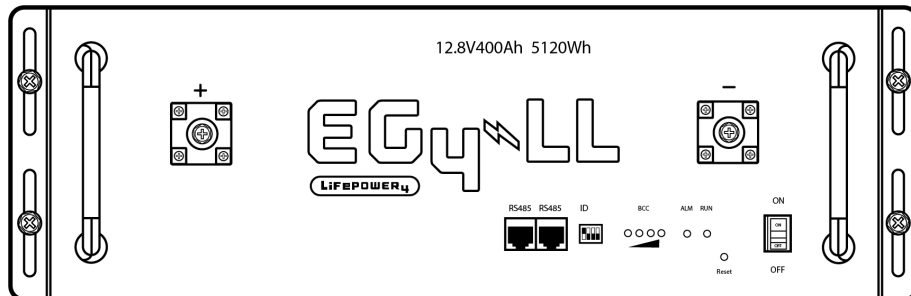
EG4-LL 12V

400AH BATTERY

Built in BMS **200A**

Storage Capacity **5.12 KWH**

5 Year Warranty



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!

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.

Real-time Statistics

Integrated Bluetooth with customized app and PC monitoring software.

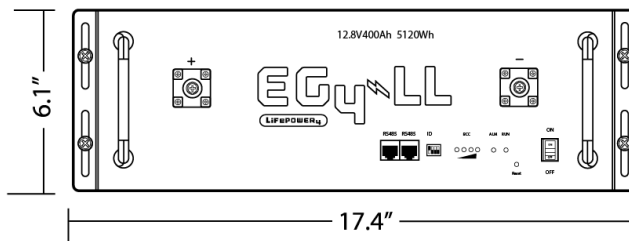
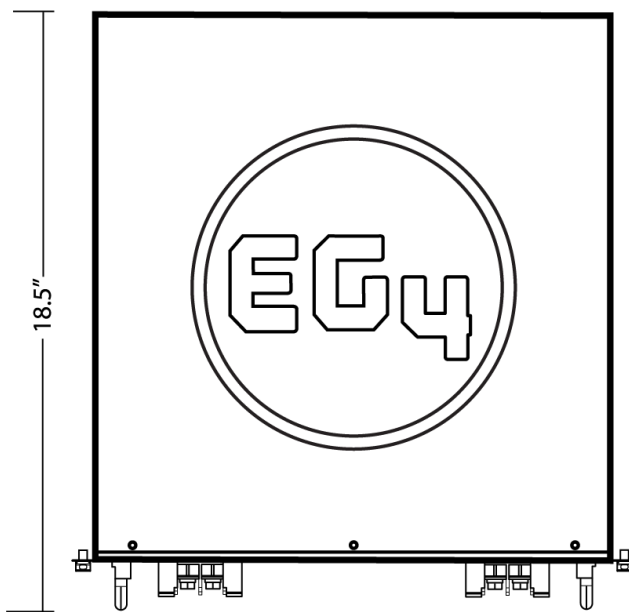
Parallel up to 16 Batteries

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.

Communicates with Growatt & Victron Inverters





EG4-LL 12V

400AH BATTERY

Nominal Operating Parameters			
Voltage	12.8V		
Capacity	400Ah		
Charging Voltage (Bulk/Absorb)	14.0V (+/-0.2V)		
Float	13.5V (+/-0.2V)		
Low DC Cutoff	11.8 - 11V (depending on load - start high, lower if needed)		
Charging Current	Max Constant Charge: 200A (<100 recommended)		
Discharging Current	Max Constant Discharge: 200A		
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	3.8V	1 sec	3.45V
Module Voltage Protection	15.0V	1 sec	13.8V
Over Charging Current 1	>220A	10 sec	
Over Charging Current 2	≥250A	3 sec	
Temperature Protection	<-5°C or >75°C	1 sec	>5°C or <65°C
Discharge			
Cell Voltage Protection	2.3V	1 sec	3.1V
Module Voltage Protection	9.6V	1 sec	12.0V
Over Charging Current 1	>220A	30 sec	60 sec
Over Charging Current 2	>380A	3 sec	60 sec
Short-Circuit	>775A	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	100 mA	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°C
SOC	5%		Integral Calculation
Power Consumption - Sleep/Off Mode	<300uA	Sleep & Off Mode	Storage/Transport
Power Consumption - Operating Mode	<14mA	Operating Mode	Charging/Discharging
Communication Ports	RS485		

