

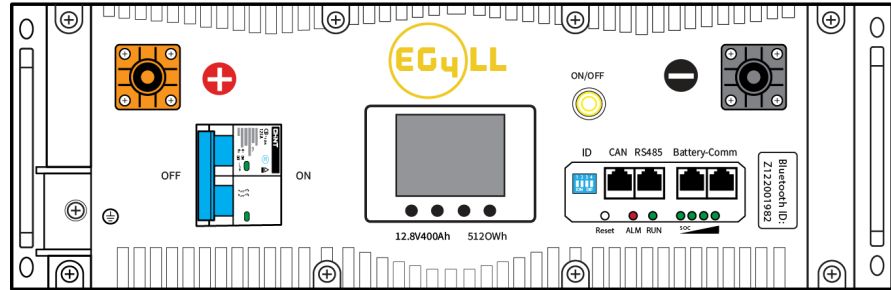


EG4-LL 12V 400AH BATTERY

Built in BMS
200A

Storage Capacity
5.12 kWh

10 Year
Warranty



The new EG4-LL 12V batteries offer unmatched performance and longevity. They are designed to last for more than 7000 deep charge and discharge cycles and have a life cycle of more than 15 years with an 80% depth of discharge daily.

Dual On-board Fire Arrestors

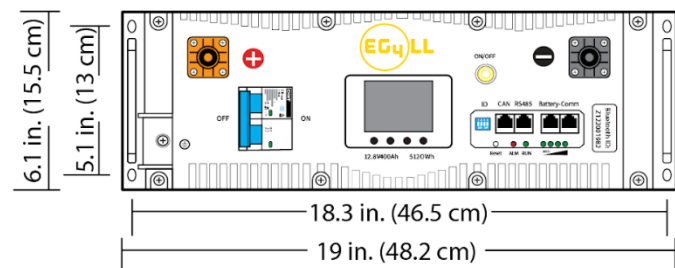
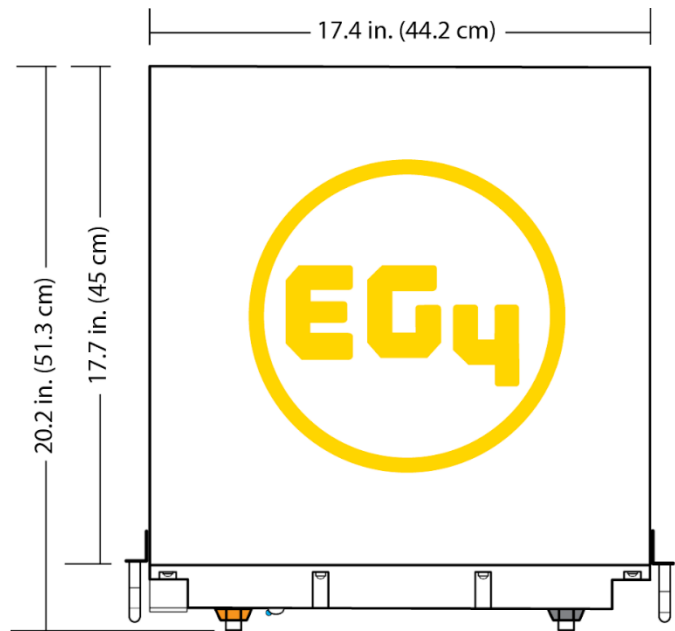
Provide fail-safe operation in high-risk environments and safeguard against rare hardware failure on high-voltage solar charge controllers

Real-Time Statistics

Using Bluetooth integration with a customized app and PC monitoring software

New, More Powerful BMS

Handles heavier loads with ease, parallels up to 16 batteries for more than 80kWh of storage, and communicates with 12V Victron systems for added functionality





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 – 11.4V (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° – 113°F (0°C to 45°C)		
Discharging Range	-4°F – 122°F (-20°C to 50°C)		
Storage Range	-4°F – 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	<23°F or >167°F <-5°C or >75°C	1 sec	>41°F or <149°F >5°C or <65°C
Discharge	Spec	Delay	Recovery
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	<-4°F or >167°F <-20°C or >75°C	1 sec	>14°F or <149°F >-10°C or <65°C
PCB Temperature Protection	>221°F (>105°C)	1 sec	@ <176°F (<80°C)
BMS			
Parameter	Spec		Condition
Cell Balance	100 mA	Passive Balance	Cell Voltage Difference >40mV
Temperature Accuracy	3%	Cycle Measurement	Measuring Range -40°F – 212°F (-40°C – 100°C)
Voltage Accuracy	0.5%	Cycle Measurement	For Cells & Module
Current Accuracy	3%	Cycle Measurement	Measuring Range -200A ~ 200A
SOC	5%	/	Integral Calculation
Power Consumption	Sleep & Off Mode	<300uA	Storage/Transport/Standby
Power Consumption	Operating Mode	<14mA	Charging/Discharging
Communication Ports	RS485/CAN Bus		
Bluetooth Monitoring	Customized EG4 App		
Physical Specifications			
Dimensions (H×W×D)	6.1 in.×19 in.×20.2 in. (15.5 cm×48.2 cm×51.3 cm)		
Weight	98.1 lbs. (44.5 kgs)		