



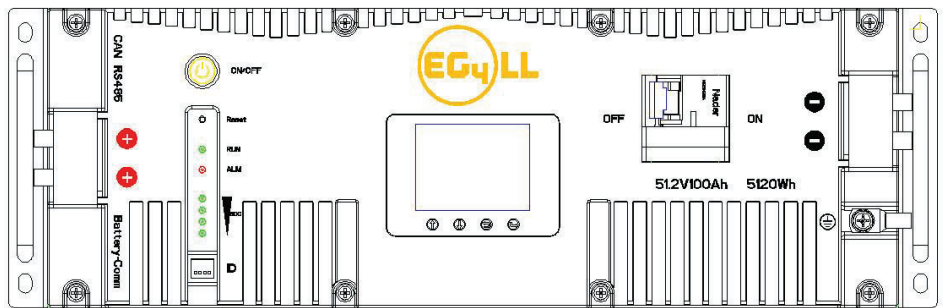
EG4-LL 48V 100AH BATTERY

**BUILT IN
BMS** **100A**

**STORAGE
CAPACITY** **5.12KWH**

**BATTERY
VOLTAGE** **48V**

Our EG4-LL batteries offer second to none price to performance. Get peace of mind that your batteries are designed to last for over 7000 deep charge and discharge cycles, that's over 15 years with an 80% depth of discharge daily!



On-board LCD touch screen

Easy to see BMS monitoring, and selectable closed-loop inverter communications including Schneider, Solark, Victron, Growatt, and EG4!

10 year warranty

Have peace of mind knowing we will be there to take care of you should something go wrong!

PC Monitoring Software

See real-time statistics of your battery!

Parallel up to 16 batteries

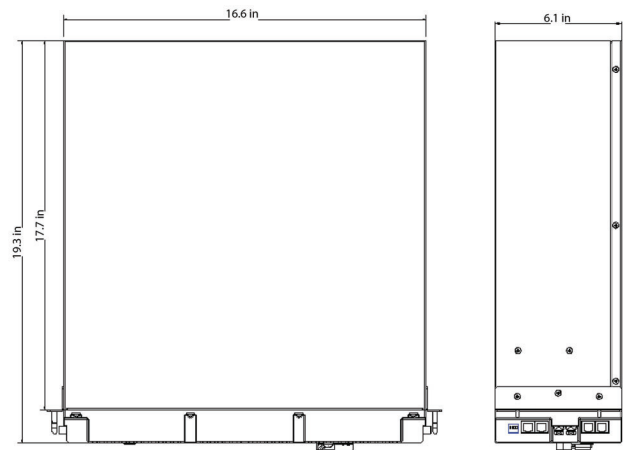
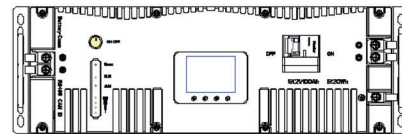
Get the most power possible! Up to 81.9kWh while maintaining BMS communications!

Rack Mount Design

4U server rack mounting makes it convenient to store!

Dual On-board fire arrestors

Failsafe operation in high risk environments and to protect against rare hardware failure on high voltage solar charge controllers!



**COMPATIBLE WITH ALL
48V EG4 INVERTERS**



EG4-LL 48V

100AH BATTERY

Nominal Operating Parameters			
Voltage	51.2V		
Capacity	100Ah		
Charging Voltage	56.0+/-0.8V		
Discharging Voltage	44.8V		
Charging Current	Max Constant Charge: 100A		
Discharging Current	Max Constant Discharge: 100A		
Environmental Parameters			
Charging Range	0°C to 45°C		
Discharging Range	-20°C to 50°C		
Storage Range	-20°C to 50°C		
BMS Parameters			
Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.8V	1 sec	3.45V
Module Voltage Protection	60.0V	1 sec	55.2V
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	Spec	Delay	Recovery
Cell Voltage Protection	2.3V	1 sec	3.1V
Module Voltage Protection	44.8V	1 sec	48V
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	150mA	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 and 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		<25mA	Charging/Discharging
Communication Ports		RS485/CAN	Can be Customized