



EG4-LL 48V

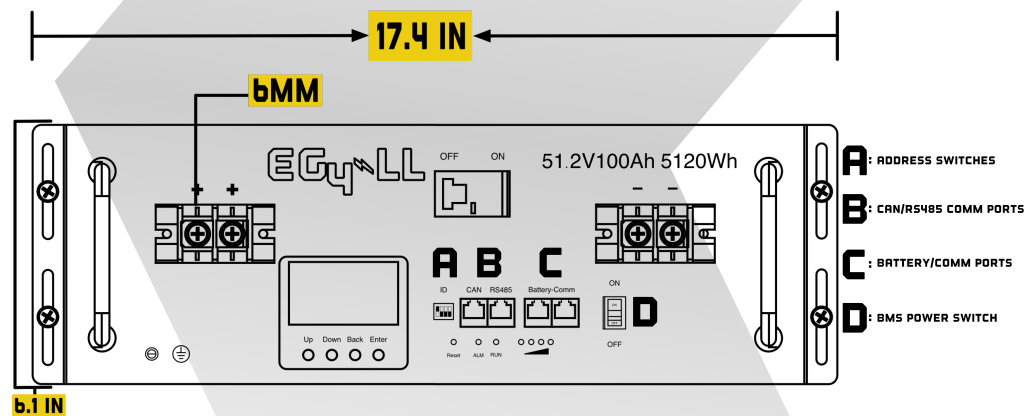
100AH BATTERY

OUR EG4-LL BATTERIES OFFER SECOND TO NONE PRICE TO PERFORMANCE. GET PEACE OF MIND THAT YOUR BATTERIES WILL LAST. OUR BATTERIES ARE DESIGNED TO LAST FOR OVER 7000 DEEP CHARGE AND DISCHARGE CYCLES, THATS OVER 15 YEARS WITH AN 80% DEPTH OF DISCHARGE DAILY!

BUILT IN BMS **100A**

STORAGE CAPACITY **5.12KWH**

BATTERY VOLTAGE **48V**



⚡ 7000 DEEP-CYCLE CELLS

CHARGE & DISCHARGE WITH CONFIDENCE THANKS TO OUR LONG LIFE BATTERIES.

⚡ 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

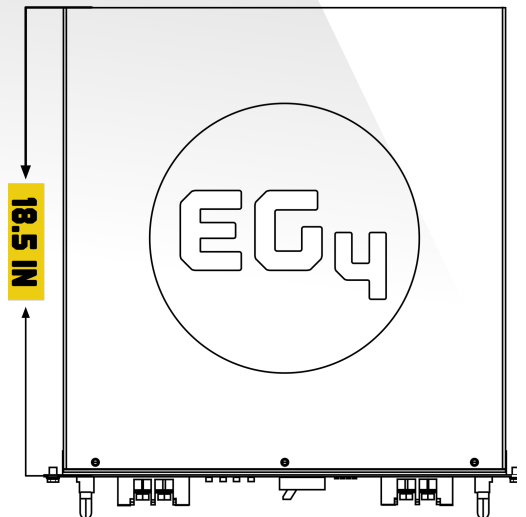
4U SERVER RACK MOUNTING MAKES IT CONVENIENT TO STORE

⚡ WELDED PRISMATIC CELL CONNECTIONS

NEVER WORRY ABOUT LOSING POWER DUE TO A LOOSE INTERNAL CONNECTION!

⚡ BMS COMMUNICATIONS

LET YOUR BATTERIES CONTROL THEIR CHARGING. COMMUNICATE WITH EG4 INVERTERS AS WELL AS GROWATT MODELS!





EG4-LL 48V

100AH BATTERY

Nominal Operating Parameters

Voltage	51.2
Capacity	100AH
Charging voltage	56.0v~57.0v
Discharging voltage	43.2v
Charging Current	100A (maximum constant charge)
Discharging Current	100A (maximum constant discharge)

Environmental Parameters

Charging Range	0°C ~ 50°C
Discharge Range	-20°C ~ 55°C
Storage Range	-20°C ~ 55°C

BMS Parameters

Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.9v	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			
Cell Voltage Protection	2.3v	1 sec	3.1v
Module Voltage Protection	43.2v	1 sec	48.0v
Over Charging Current 1	>102A	10 sec	60 sec
Over Charging Current 2	>150A	3 sec	60 sec
Short-Circuit	>250A	0.1mS	
Temperature Protection	<-20°C or >75°C	1 sec	>-10°C or <65°C
BMS			
PCB Temp Protection	>105°C	1 sec	<80°C
Cell Balance	100mA	Passive Balance	Cell voltage difference >40mV
Temperature Accuracy	3%	Cycle Measurement	Measurement range -40~100°C
Voltage Accuracy	0.5%	Cycle Measurement	
Current	3%	Cycle Measurement	Measurement range -200~200°C
SOC	5%		Integral calculation
Power Consumption	<300uA	Sleep & Off Mode	Storage & Transportation
Power Consumption	<14mA	Operating Mode	Charging & Discharging
Communication Ports	RS485,CAN		Protocol can be customized

