

# 24V 200AH LIFEPOUER WWW.EG4BATTERY.COM

(972) 777-4676 | SERVICE@EG4BATTERY.COM



♥ 7000 Deep-Cycle Cells

- Five Year Warranty
- PC Software Monitoring
- Parallel up to 16 packs
  Rack Mount Design
- Welded Prismatic Cell Connections
- ✓ 100A Internal BMS
- 5.12kWh Storage Capacity
- Built-In BMS Growatt & EG4 Inverter communication

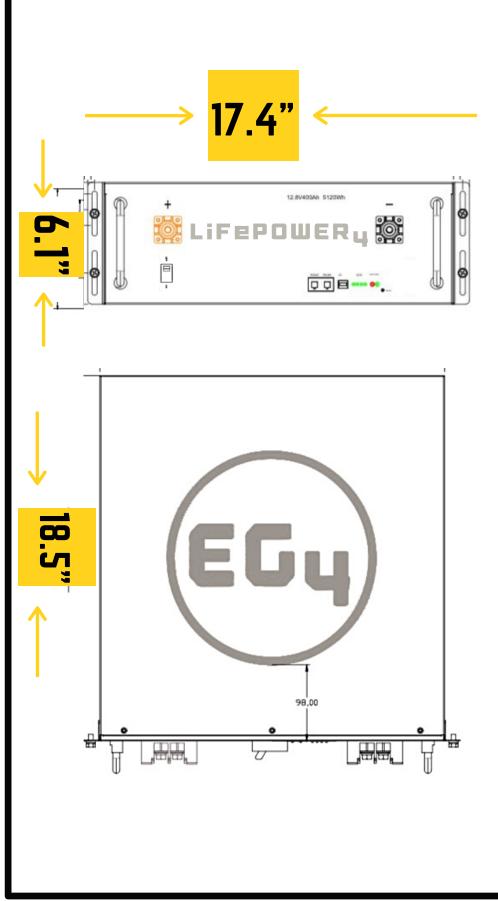




**A**. 125A BREAKER / ON OFF SWITCH **B**. BATTERY/INVERTER COMMUNICATION PORTS **C**. RS485 PC PORT FOR MONITORING **D**. STATE OF CHARGE DISPLAY LIGHTS

## **BATTERY SPECIFICATIONS**

	ITEM	SPEC	DETAIL
NOMINAL	VOLTAGE	25.6V	77 <sup>.</sup> F, .2 <sup>.</sup> C
MON	CAPACITY	200AH	5.12kWh
	CHARGING VOLTAGE REC.	29V	
GRS	DISCHARGE VOLTAGE REC.	21.6V	
OPERATING Parameters	MAXIMUM CHARGE CURRENT	100A constant	
RA	MAXIMUM DISCHARGE CURRENT	100A constant	30A : RECOMMENDED
IPE AR/	REC. BULK VOLTAGE	DLTAGE 28.5V OLTAGE 28.25V	
D / d	REC. FLOAT VOLTAGE	28.25V	
	REC. ABSORB VOLTAGE	28.25V	
WEIGHT (LBS)		101.4 LBS	
DIMENSIONS (W   D   H)		17.4X18.5X6.1in	
	CHARGE RANGE	<u>32°F - 113°F</u>	
TEMP.		-4°F - 131°F	
	STORAGE RANGE	– 4°F – 113°F	
BMS	BUILT IN BATTERY MANAGEMENT SYSTEM	VOLTAGE, CURRENT, TEMPERATURE MANAGEMENT. CELL BALACE MANAGEMENT. COMMUNICATION WITH GROWATT & EG4 INVERTERS	<b>RS485</b> can be customized to match device
SERVICE	DESIGN LIFE	10-20 YEARS	
LIFE	CYCLE LIFE @80% DOD	>7000 TIMES	

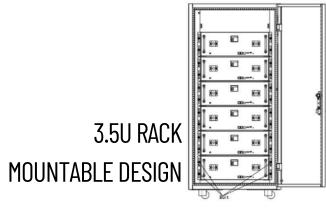


## **BATTERY PARAMETERS**

	ITEM	PARAME	DETAIL				
ш	CELL VOLTAGE PROTECTION	3.9V	DELAY 1S	RECOVER @ 3.9V			
2	MODULE VOLTAGE PROTECTION	30V	DELAY 1S	RECOVER @ 27.6V			
CHAR	OVER CHARGE CURRENT 1	>100A	DELAY 20S				
H	OVER CHARGE CURRENT 2	≥120A	DELAY 2S				
	TEMPERATURE PROTECTION	<32 <sup>.</sup> F or >158 <sup>.</sup> F	DELAY 1S	RECOVER @ >14 F or <149 F			
ш	CELL VOLTAGE PROTECTION	2.3V	DELAY 1S	RECOVER @ 3.1V			
<b>RG</b>	MODULE VOLTAGE PROTECTION	21.6V	DELAY 1S	RECOVER @ 24V			
Z	OVER CHARGE CURRENT 1	>100A	DELAY 10S	RECOVER IN 60S			
E	OVER CHARGE CURRENT 2	>150A	•	RECOVER IN 60S			
S	TEMPERATURE PROTECTION	<32 <sup>•</sup> F or >158 <sup>•</sup> F	DELAY 1S				
	SHORT CIRCUT	>250A	DELAY 1S				
	PCB TEMP PROTECTION	>203 F	DELAY 1S	RECOVER @ <167 F			
	CELL BALANCE	100mA	PASSIVE BALANCE	CELL V DIFFERENCE >mV			
S	TEMPERATURE ACCURACY	3%	CYCLE MEASURE	-40 F - 212 F RANGE			
	VOLTAGE ACCURACY	0.5%	CYCLE MEASURE	FOR CELLS AND MODULE			
SP	CURRENT ACCURACY	3%	CYCLE MEASURE	-200 ~ + 200mV RANGE			
	POWER CONSUMPTION	<300uA	DELAY 1S	STORAGE & TRANSPORTATION			
MS	WITH DIFFERENT CONDITIONS	<300uA	 	PROTECTION AND STANDBY			
BM		<14mA		CHARGING & DISCHARGING			
	STATE OF CHARGE	5%	 	INTERNAL CALCULATIONS			
	COMMUNICATION PORTS rs485 can be customized to match device						

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#### FREE P.C. BMS MONITORING SOFTWARE DOWNLOAD



**WARRANTY:** EG4 offers a 5-year prorated warranty from the date of purchase. This warranty must be registered within the first year of purchase. If you choose not to register your warranty, your warranty may be invalidated. This limited warranty is to the original purchaser of the product and not transferable to any other person or entity.

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