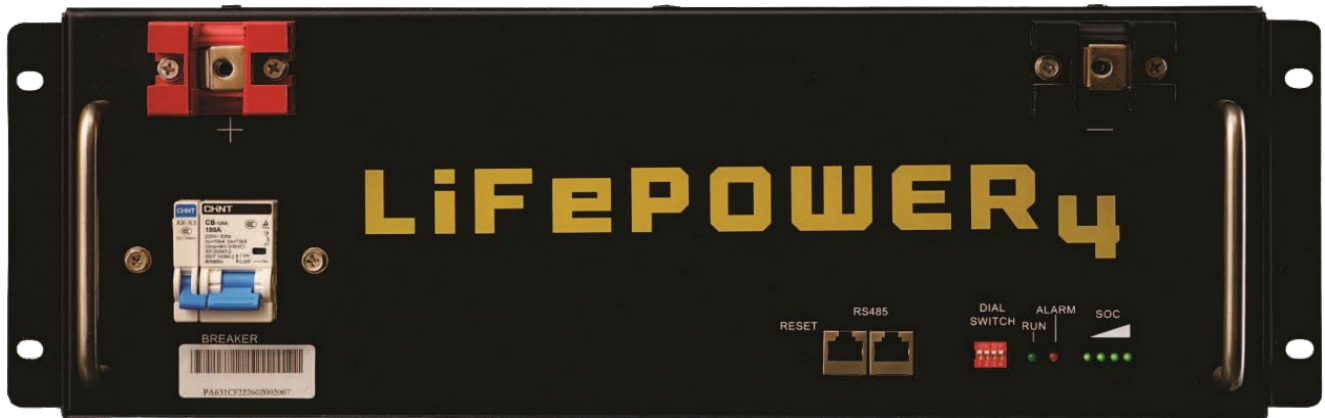


EG4[®] LiFePOWER4 24V LITHIUM BATTERY



EG4 LiFePower4 batteries offer second to none price to performance. Get peace of mind knowing these batteries are designed to last more than 7000 deep charge and discharge cycles; beyond 15 years with an 80% depth of discharge daily!

**BUILT-IN
200A BMS**

**5.12kWh
CAPACITY**

**ON-BOARD
FIRE
ARRESTORS**

PC MONITORING SOFTWARE

Hook the battery up to your PC or laptop to read real-time data from your batteries using the BMS Test software.

PARALLEL UP TO 16 BATTERIES

Get the most power possible! Up to 81.9kWh of storage while maintaining closed-loop communications.

DUAL ON-BOARD FIRE ARRESTORS

Offers fail-safe operation in high-risk environments and protects against rare hardware failures on high voltage solar charge controllers.

WELDED PRISMATIC CELL CONNECTIONS

Never worry about losing power due to a loose internal connection between cells.

SERVER-RACK DESIGN

Designed with 4U server rack mounting in mind which allows for convenient storage options.

TECHNICAL SPECIFICATIONS

MODULE OPERATING PARAMETERS			
TOTAL ENERGY STORAGE			5.12kWh
VOLTAGE			25.6V
CAPACITY			200Ah
CHARGING VOLTAGE (BULK/ABSORB)			28.1V (+/- 0.2V)
FLOAT			27V (+/-0.2V)
SOC CUTOFF			20%*
MAX. CHARGING CURRENT			100A (30 – 50A recommended)
MAX. DISCHARGING CURRENT			100A
ENVIRONMENTAL PARAMETERS			
CHARGING RANGE			32°F - 113°F (0°C - 45°C)
DISCHARGING RANGE			-4°F - 122°F (-20°C - 50°C)
STORAGE RANGE (OPTIMAL)			-4°F - 122°F (-20°C - 50°C)
INGRESS PROTECTION			IP21
ALTITUDE			<9843 ft. (3000m)
BMS PARAMETERS			
CHARGE	SPEC	DELAY	RECOVERY
CELL VOLTAGE PROTECTION	3.65V	1 sec	3.6V
MODULE VOLTAGE PROTECTION	29.2V	1 sec	28.8V
CHARGE OVER CURRENT 1	>100A	20 sec	
CHARGE OVER CURRENT 2	≥120A	2 sec	
TEMPERATURE PROTECTION	<32°F or >131°F (<0°C or >55°C)	1 sec	
DISCHARGE	SPEC	DELAY	RECOVERY
CELL VOLTAGE PROTECTION	2.5V	1 sec	2.7V
MODULE VOLTAGE PROTECTION	20.0V	1 sec	21.6V
DISCHARGE OVER CURRENT 1	>100A	10 sec	60 sec
DISCHARGE OVER CURRENT 2	>150A	3 sec	60 sec
SHORT CIRCUIT	>250A	1 sec	
TEMPERATURE PROTECTION	<-4°F or >140°F (<-20°C or >60°C)	1 sec	
BMS	PARAMETER		CONDITION
PCB TEMPERATURE PROTECTION	>203°F (>95°C)	Delay: 1 sec	Recovery: <167°F (<75°C)
CELL BALANCE	120mA	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 Delay: 1 sec	Storage/Transport/Standby
	Operating Mode	<25mA	Charging/Discharging
COMMUNICATION PORTS	RS485		Can be Customized
PHYSICAL SPECIFICATIONS			
DIMENSIONS (H×W×D)	6.1 in.×17.4 in.×18.5 in. (155mm×442mm×470mm)		
WEIGHT	101 lbs. (45.9kg)		

*EG4 recommends this value be set no lower than 20% to maintain the recommended 80% depth of discharge.