

# EG4<sup>®</sup> LL 24V 200AH SERVER RACK BATTERY



The performance and longevity of our EG4 batteries are second to none! Get peace of mind knowing our batteries are designed to last for more than 7,000 deep charge and discharge cycles and have a life cycle of more than 15 years with an 80% depth of discharge daily!

**BUILT IN BMS  
200A**

**\*10-YEAR  
WARRANTY**

**STORAGE  
CAPACITY  
5.12KWH**

## 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 PC monitoring software, BMS Tools.

## ON-BOARD LCD TOUCH SCREEN

Easy to see BMS monitoring, and selectable closed-loop communications with several popular inverter brands.

## PARALLEL UP TO 64 BATTERIES

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

*\*For information regarding warranty registration on EG4<sup>®</sup> Electronics products, please navigate to <https://eg4electronics.com/warranty/> and select the corresponding product to begin the registration process.*



## SPECIFICATION SHEET

MODULE OPERATING PARAMETERS			
VOLTAGE			25.6V
CAPACITY			200Ah
CHARGING VOLTAGE (BULK/ABSORB)			28.1V (+/-0.2V)
FLOAT			27.0V (+/-0.2V)
SOC CUTOFF			20%*
CHARGING CURRENT			200A (Max. Continuous)
DISCHARGING CURRENT			200A (Max. Continuous)
ENVIRONMENTAL PARAMETERS			
CHARGING RANGE			32°F - 113°F (0°C – 45°C)
DISCHARGING RANGE			-4°F - 122°F (-20°C – 50°C)
STORAGE RANGE			-4°F - 122°F (-20°C – 50°C)
INGRESS PROTECTION			IP20
BMS PARAMETERS			
CHARGE	SPEC	DELAY	RECOVERY
CELL VOLTAGE PROTECTION	3.9V	1s	3.45V
MODULE VOLTAGE PROTECTION	30.0V	1s	28.8V
OVER CHARGING CURRENT 1	>220A	10s	-
OVER CHARGING CURRENT 2	≥250A	3s	-
TEMPERATURE PROTECTION	<23°F or >158°F <-5°C or >70°C	1s	<32°F or >140°F >0°C or <60°C
DISCHARGE	SPEC	DELAY	RECOVERY
CELL VOLTAGE PROTECTION	2.3V	1s	3.1V
MODULE VOLTAGE PROTECTION	20.8V	1s	22.4V
OVER DISCHARGING CURRENT 1	>220A	10s	60s
OVER DISCHARGING CURRENT 2	>300A	3s	60s
SHORT-CIRCUIT	>300A	<0.1mS	-
TEMPERATURE PROTECTION	<-4°F or >167°F <-20°C or >70°C	1s	>14°F or <149°F >-10°C or <65°C
PCB TEMP PROTECTION	>221°F (>105°C)	1s	<176°F (<80°C)
GENERAL SPECIFICATIONS			
PARAMETER	SPEC	CONDITION	CONDITION
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	Measurement Range +/-200A
SOC	5%		Integral Calculation
POWER CONSUMPTION (SLEEP & OFF MODE)	<300uA		Storage/Transport
POWER CONSUMPTION (OPERATING)	<20mA		Charging/Discharging
COMMUNICATION PORTS	RS485/CAN		Customizable
MAXIMUM MODULES IN PARALLEL		16	
DIMENSION (H×W×D)		6.1 in.×19 in.×20.2 in. (15.5 cm×48.2 cm×51.3 cm)	
WEIGHT		99.2 lbs. (44.5 kg)	

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