

EG4[®] LL 12V 400AH 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 Bluetooth integration with a customized app and PC monitoring software

NEW, MORE POWERFUL BMS

Handles heavier loads with ease, parallels up to 16 batteries for more than 80kWh of storage, and communicates with 12V Victron systems for added functionality

SCAN FOR UPDATED
DOCUMENTS



SPECIFICATION SHEET

MODULE OPERATING PARAMETERS			
Voltage			12.8V
Capacity			400Ah
Charging Voltage (Bulk/Absorb)			14.0V (+/-0.2V)
Float			13.5V (+/-0.2V)
Low DC Cutoff			11.8 – 11.4V (depending on load – start high, lower if needed)
Charging Current			100A (Max. Continuous)
Discharging Current			100A (Max. Continuous)
ENVIRONMENTAL PARAMETERS			
Charging Range			32°F - 113°F (0°C to 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	3.8V	1s	3.45V
Module Voltage Protection	15.0V	1s	13.8V
Over Charging Current 1	>220A	10s	-
Over Charging Current 2	≥250A	3s	-
Temperature Protection	<23°F or >167°F <-5°C or >75°C	1s	<41°F or >149°F >5°C or 65°C
DISCHARGE	SPEC	DELAY	RECOVERY
Cell Voltage Protection	2.3V	1s	3.1V
Module Voltage Protection	9.6V	1s	12.0V
Over Charging Current 1	>220A	30s	60s
Over Charging Current 2	>380A	3s	60s
Short-Circuit	>775A	<0.1mS	-
Temperature Protection	<-4°F or >167°F <-20°C or >75°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	100mA	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/ Standby
Power Consumption (Operating)	<14mA	-	Charging/Discharging
Communication Ports	RS485/CAN		Customizable
Bluetooth Monitoring			Customized EG4 App

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	98.1 lbs. (44.5 kg)