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

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VERSION 2.0.2 | INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE.
MODEL #: SR-12|400-LL-00

EG4 ELECTRONICS

SPECIFICATION SHEET

MODULE OPERATING PARAMETERS	
Voltage	12.8V
Capacity	400Ah
Charging Voltage (Bulk/Absorb)	14.0V (+/-0.2V)
Float	13.5V (+/-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 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			
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
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)

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