### 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**

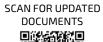
Provide fail-safe operation in high-risk environments and safeguard against rare hardware failure on high-voltage solar charge controllers

#### **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









## **EG4 ELECTRONICS**

### SPECIFICATION SHEET

3 P C	CIFIC	<u> </u>	I U IV	3 11 12 1	
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	
Low DC Cuton	(deper	iding on lo		high, lower if needed)	
Charging Current				00A (Max. Continuous)	
Discharging Current			10	00A (Max. Continuous)	
ENVIRONMENTAL PARAMETERS					
Charging Range	32°F - 113°F (0°C to 45°C)				
Discharging Range				- 122°F (-20°C - 50°C)	
Storage Range	-4°F			- 122°F (-20°C - 50°C)	
Ingress Protection			_	IP20	
BMS PARAMETERS	CDC		DCI AV	DECOVERY	
CHARGE	SPE		DELAY		
Cell Voltage Protection	3.8		1s 1s	3.45V 13.8V	
Module Voltage Protection Over Charging Current 1		15.0V >220A		13.07	
Over Charging Current 2	>220 ≥250		10s 3s	-	
Over Charging Current 2	<23°F or		J5		
Temperature Protection	<-5°C or		1s	>5°C or 65°C	
DISCHARGE	<u> </u>			<u> </u>	
Cell Voltage Protection	2.3	V	1s	3.1V	
Module Voltage Protection	9.6	9.6V		12.0V	
Over Charging Current 1	>220A		30s	60s	
Over Charging Current 2	>380A		3s	60s	
Short-Circuit	>77	5A	<0.1ms		
Temperature Protection	<-4°F or		1s	>14°F or <149°F	
<u> </u>		<-20°C or >75°C		>-10°C or <65°C	
PCB Temp Protection	>221°F (>	•105°C)	1s	<176°F (<80°C)	
GENERAL SPECIFICATIONS					
PARAMETER		<b>SPEC</b> Passive		CONDITION	
Cell Balance	100mA	Passi Balar		Cell Voltage Difference >40mV	
		Dalai	ice	Measuring Range	
Temperature Accuracy	3%	Cycl		-40°F – 212°F	
	0,0	Measure	ement	(-40°C – 100°C)	
Voltage Acquirecy	0.5%	Cycle Measurement		For Cells/Module	
Voltage Accuracy					
Current Accuracy	3%	Cycl		Measurement Range	
<u>,                                      </u>		Measure	ement	+/-200A	
SOC	5%	-		Integral Calculation	
Power Consumption (Sleep & Off Mode)	<300uA	-		Storage/Transport/ Standby	
Power Consumption (Operating)	<14mA	<14mA -		Charging/Discharging	
Communication Ports	RS	RS485/CAN Customizable			
Bluetooth Monitoring		Customized EG4 App			

# **EG4 ELECTRONICS**

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)