EG4® LL-S 48V 100AH

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!

SUPPORTED E-STOP FUNCTIONALITY

*10-YEAR WARRANTY UL 1973 LISTED ETL CONFORMS TO UL 9540A

7.000 DEEP-CYCLE CELLS

Charge and discharge with confidence thanks to our long-life batteries.

*10 YEAR WARRANTY

Have peace of mind knowing we will be there to take care of you should something go wrong!

SELECTABLE CLOSED LOOP COMMUNICATIONS

Compatible with EG4, Schneider, Sol-Ark, Victron, Growatt, Megarevo, Luxpower, and Deye inverters.

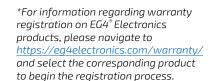
ENHANCED SAFETY FEATURES

E-Stop functionality offers fail-safe operation in potentially high-risk environments. Dual On-Board fire arrestors allow for added peace of mind during operations.

PARALLEL UP TO 64 BATTERIES

For maximum power, our 6 DIP switch option allows you to have 327.7 kWh while preserving BMS communications.





EG4 ELECTRONICS

SPECIFICATION SHEET

MODULE OPERATING PARAMETERS			<u> </u>	
PARAMETER		BMS RECOMMENDED SETTING		
VOLTAGE		51.2V		
CAPACITY		100Ah NA		
CHARGING VOLTAGE (BULK/ABSORB)	56.8V		56.2V (+/-0.2V)	
FLOAT		NA 54V (+/-0.2V)		
SOC CUTOFF	- 20%*			
CHARGING CURRENT	100A (Max. continuous)		50A	
DISCHARGING CURRENT	100A (N	100A (Max. continuous) 50A		
ENVIRONMENTAL PARAMETERS				
CHARGING RANGE		32°F – 122°F (0°C – 50°C		
DISCHARGING RANGE	-4°F – 131°F (-20°C – 55°C			
STORAGE RANGE	32°F – 113°F (0°C – 45°C			
OPERATING ALTITUDE	<16404 ft. (<5000 n			
INGRESS PROTECTION			IP2	
BMS PARAMETERS				
CHARGE	SPE	C DELA	Y RECOVERY	
CELL VOLTAGE PROTECTION	3.8\	/ 1s	3.45V	
MODULE VOLTAGE PROTECTION	60.0	V 1s	55.2V	
OVER CHARGING CURRENT 1	>102	A 10s	-	
OVER CHARGING CURRENT 2	≥120		-	
TEMPERATURE PROTECTION	<23°F or >158°F <-5°C or >70°C		<32°F or >140°F <0°C or >60°C	
DISCHARGE	V-3 C 01	-70 C	~0 C 0i >00 C	
CELL VOLTAGE PROTECTION	2.3\	/ 1s	3.1V	
MODULE VOLTAGE PROTECTION	44.8	V 1s	48.0V	
OVER DISCHARGING CURRENT 1	>102	A 10s	60s	
OVER DISCHARGING CURRENT 2	>150	A 3s	60s	
SHORT-CIRCUIT	>300	A <0.1m	S -	
TEMPERATURE PROTECTION	<-4°F or >	1e	>14°F or <149°F	
	<-20°C or	>75°C	>-10°C or <65°C	
PCB TEMP PROTECTION CENTERAL EDECLES ATIONS	>230°F (>	110°C) 1s	<176°F (<80°C)	
GENERAL SPECIFICATIONS		SPEC	CONDITION	
PARAMETER CELL BALANCE	120mA	Passive Balance	Coll Voltage Difference >40m\	
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)	<25mA	-	Charging/Discharging	
COMMUNICATION PORTS	RS485/CAN		Customizable	
MAXIMUM UNITS IN SERIES	1			
MAXIMUM UNITS IN PARALLEL	64			
E-STOP FUNCTION	Yes			
DIMENSION (H×W×D)	6.1in×17.4in×19.3in (15.5cm×44.2cm×49cm)			
WEIGHT		99.6 lbs. (45.2 kg)		
STANDARDS AND CERTIFICATIONS				
UL1973, UL9540A				

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