

# SOK 100AH | 48V BATTERY FAQ



*Curious*  
CAMPERVANS

## SOK 100AH | 48V SERVER RACK BATTERY MANUAL

Scan the QR code below to view an in-depth manual for the SOK 100Ah | 48V Server Rack Batteries by Current Connected: <https://www.currentconnected.com/sk48v100/manual/>



SOK 100Ah   48V Server Rack Battery Manual


## WARRANTY REGISTRATION

There is a warranty registration card in the box with the battery. You need to email [info@sokbattery.com](mailto:info@sokbattery.com) with your Curious Campervans order number (on your invoice) to register. The warranty period is 7 years, and covers anything that fails or doesn't stand up to the manufacturer's specs; it includes both the cells and the BMS.

## CANADIAN CERTIFICATION

The SOK 100Ah | 48V Server Rack Batteries are cUL1973 certified; they are expected to receive cUL9540 & 9540A certification in Spring 2023. Scan the QR codes below to view cUL1973 certification documents.

Authorization to Mark	Full Test Report
	

<b>ELECTRICAL PROPERTIES</b>	
Model	SK48v100
Nominal Voltage	51.2 (48v Range)
Nominal Capacity	100Ah
Run Time at 20A Load (~1000w)	300 Minutes
Energy	5120Wh
Self Discharge	< 3% per month
Maximum Batteries in Series	1
Maximum Batteries in Parallel	15
Maximum Terminal Feedthrough Current	350 Amps

<b>DISCHARGE PERFORMANCE</b>	
Maximum Continuous Discharge Current	100A (1C)
Peak Discharge Current	125A (3 seconds, automatic shutdown)
Short Circuit Protection	300a, 200us
BMS Low-Voltage Disconnect	46v
BMS Low-Voltage Recover	48v

<b>CHARGE PERFORMANCE</b>	
Recommended Charge Current	0~63A
Maximum Charge Current (Continuous)	100A
Recommended Charge (Absorption) Voltage	57.6
BMS Cell Protection Voltage	3.7v
BMS Pack Protection Voltage	>58.2v

<b>TEMPERATURE PERFORMANCE</b>	
Discharge Temperature	-15°C - 60°C / -4°F - 140°F
Charge Temperature	0°C - 45°C / 32°F - 113°F
Storage Temperature	0°C - 35°C / 23°F - 95°F
Low Temperature Charge Protection	Yes
Internal Temperature Sensors	4 Cell Sensors, 1 BMS Sensor, and 1 Ambient Air Sensor

<b>PHYSICAL PROPERTIES</b>	
Case Material	Powder-Coated Steel
Dimensions	Width: 17.5" (without ears) Height: 7" Depth: 18" + 1 ¼" for handles and terminals
Weight	99.2 lbs
Weather Rating	IP20
Rack Mountable	Yes
Third Party Testing	cUL1973 Passed, cUL9540 Pending
Shipping Classification	UN3480, Class 9, MSDS