SOK 48v 5kWh Lithium Server Rack Battery





48 V series

10 Years Warranty, Up To 8000 Cycles Life Span
PC Software Monitoring
Rack Mount Design
Built-In BMS, RS485/RS232/CAN Inverter
communication. Confirmed function with MPP Solar,
Victron, Sol-Ark & More
Pre Charge Circuit
UL9540 certified

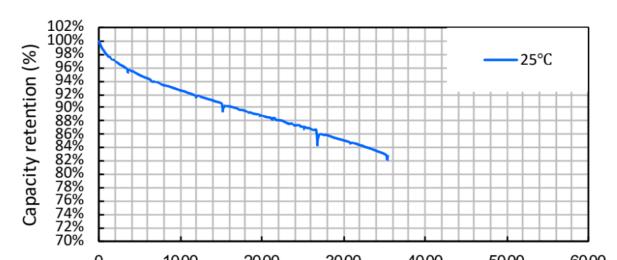
- 48 Volt (51.2 Nominal) 100Ah, 5.12 kWh
- 20 Year Lifespan & 10 Year Warranty
- Cells rated for 80% Capacity after 4000 Cycles, 100% DOD @1C Rate
- Typical capacity at 80% DOD @.5C Rate is over 7000 Cycles
- Maintenance Free
- Built-In Smart Battery Management System (BMS)
- 5 Temperature sensors, protected from low and high temperatures
- Pre-Charge Circuit to Prevent BMS Damage
- Detachable cover, user serviceable BMS and cells
- RS485 & CANBus communication, works with many inverters
- Rack Mountable for quick and easy installation
- UL9540 certified; this U.S standard covers the safety of the battery system, functional safety, fire suppression, containment and environmental performance.

User manual can be accessed here: <u>https://www.currentconnected.com/sk48v100-owner-operators-manual/</u>

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Mechanical Properties			
Dimension	442*456*177mm		
Weight	45kg (99.2 Lbs)		
Housing Material	White Metal		
Terminal Model	2x M8 (Use 5/16"Ring Lugs)		
Electrical Characteristics			
Nominal Voltage	51.2V		
Rated Capacity(0.2C)	100Ah		
Efficiency	99%		
Energy	5,120Wh		
Self Discharge	≤3% Per Month		
Charging Parameters			
Recommended Charge Current	0 ~ 63A		
Maximun Charge Current	100A		
Recommended Charge Voltage	57.6V-58.4V		
BMS Charge Voltage Cut-off	>58.2V		
Reconnect Voltage	<57.6V		
Balancing Voltage	>57.6V		
Discharge Parameters			
Maximum Continuous Discharge Current	100A		
Peak Discharge Current	200A (3S)		
BMS Discharge Current Cut Off	330A		
BMS Discharge Voltage Cut Off	<42V		
Reconnect Voltage	>46V		
Recommended Low Voltage Disconnect	46V		
Operation & Storage Temperature Range			
Discharge Temperature	-20 to 60 ºC		
Charge Temperature	0 to 45 °C		
Storage Temperature	-5 to 35 ºC		
Compliance			
Construction	16S 1P 3.2v LiFePO4		
Shipping Classification	UN 3480 Class 9 MSDS		
Cell Type	Prismatic Cell (UL1973 Standard)		
	LiFePO4 3.2V 100Ah Grade A+		



100Ah Cycle life @25°C 1.0C/1.0C 2.5V-3.65V