

LIFEPO4 LITHIUM BATTERY

R48-105EV-LFP A





R-Series LFP



See Warranty Terms

Volts	Volts 48 Design Golf / Light EV				
Terminal Type		M8			
Included Hardware		M8 stainless bo	M8 stainless bolts & washers		
Charge					
Charge V	oltage Range		56.0 - 58.4V		
Recommended End of Discharge Voltage			48.0 V		
End of Discharge Protection Voltage			40.0 V		
Recomm	ended Charge	Voltage	57.6 V		
Recommended Charge Current					
0~10°C (32-50°F)			0.2C	21A	
10~35°C (50-95°F)			0.5C	52A	

Warranty

Charge Mode:

35~50°C (95-122°F)

Series

- Charge at recommend voltage & current by temperature until charge current drops to \leq 0.05C (CC,CV)
- DO NOT USE TEMPERATURE COMPENSATION
- No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	100 A	
Max Continuous Discharge Current	200 A	
Surge Current Limit	900 A (300ms)	
Charge Temperature Range	0°C~55°C (32~131°F)	
Discharge Temperature Range	-20°~60°C (-4~140°F)	
Storage Temperature Range	-5°~45°C (23~113°F)	

	Capacity
Nominal Capacity	105 AH
Total Energy	5.38 kWh
Nominal Voltage	51.2 V

Safety

- Prismatic LiFePO4 cells (UL1642) (UL2580)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Maintenance-free operation
- Bluetooth Connectivity & dedicated IOS & Android App

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- 48V surge current limits 300A (30 sec), 500A (3 sec)
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection
- Included dash mount state-of-charge & voltage indicator & cabling

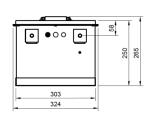
48V LFP Profile

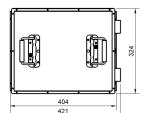
Specifications					
tem ™	Weight	45 kg	99 lbs		
sd Sys	Length	421 mm	16.57"		
Sertified System	Width	324 mm	12.75"		
SAI GLOBAL	Height	250 mm	9.84"		
ISO 9001 Quality	Height Incl. Term.	265 mm	10.43"		

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	Metal
Handles	Integrated Top Mount
Internal BMS Model	16S200A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	4 UNITS MAX

Detailed Illustration









ISO9001



ISO14001









