LIFEPO4 LITHIUM BATTERY

R48-90LFP





Series	R-SERIES LFP	Warranty	See Warranty Terms
Volts	48	Design	8D
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	
Size & Thread		M8	

Charge | Discharge

Charge Voltage Range	56.0 - 58.4V
Recommended End of Discharge Voltage	48.0 V
End of Discharge Protection Voltage	40.0 V
Recommended Charge Voltage	57.6 V
Recommended Charge Current	

0~10°C (32-50°F)	0.2C	18A
10~35°C (50-95°F)	0.5C	45A
35~50°C (95-122°F)	0.2C	18A

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

Max Continuous Charge Current	90 A
Max Continuous Discharge Current	180 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	90 AH
Total Energy	4.61 kWh
Nominal Voltage	51.2 V

Safety

- Cylindrical LiFePO4 cells (5Ah 26700) (UL1642)
- 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

48V LFP Profile

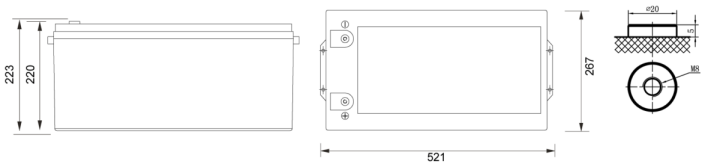
Specifications

Weight	34 kg	75 lbs
Length	521 mm	20.5"
Width	267 mm	10.51"
Height Incl. Term.	223 mm	8.78"

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

Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle
Internal BMS Model	16S200A
Expected Cycle Life	>5000 @ 80% DOD, >2500 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	4 UNITS MAX

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

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