

LIFEPO4 LITHIUM BATTERY







See Warranty Terms

Volts	12	Design	Grp 31	
Terminal Type		M8		
Included Hardware		M8 stainless bo	olts & washers	
		Charge		
Charge V	oltage Range		14.0 - 14.6V	
Recomme	ended End of I	Discharge Voltage	12.0 V	
End of Discharge Protection Voltage			10.0 V	
Recomme	ended Charge	Voltage	14.4 V	
Recommended Charge Current				
0~10°C (32-50°F)			0.2C	40A
10~35°	C (50-95°F)		0.5C	100A
35~50°	C (95-122°F)		0.2C	40A

Warranty

Charge Mode:

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)

R-Series LFP

Max Continuous Charge Current	67 A
Max Continuous Discharge Current	135 A
Surge Current Limit	800 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	135 AH
Total Energy	1.73 kWh
Nominal Voltage	12.8 V

Safety

- Cylindrical LiFePO4 cells (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
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

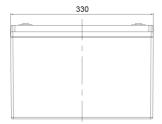
12V LFP PROFILE

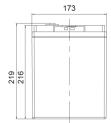
Specifications				
Weight	15 kg	33 lbs		
Length	330 mm	13"		
Width	173 mm	6.81"		
Height	216 mm	8.5"		
Height Incl. Term.	219 mm	8.62"		

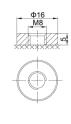
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle
Internal BMS Model	4S150A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	4 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX (48V) or 6 UNITS MAX (12V)
Connectivity	Up to 4S4P (in 48V configuration) or 1S6P (in 12V configuration)

Detailed Illustration











ISO14001









