

# **LIFEPO4 LITHIUM BATTERY**







Series	R-Series LFP	Warranty	See Warranty Terms
Volts	12	BCI	G31
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge				
14.0 - 14.6	V			
ge 12.0 V				
10.0 V				
14.4 V				
Recommended Charge Current				
0.2C	40A			
0.5C	100A			
0.2C	40A			
	14.0 - 14.6 ge 12.0 V 10.0 V 14.4 V 0.2C 0.5C			

## Charge Mode:

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

Max Continuous Charge Current	75 A	
Max Continuous Discharge Current	150 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)	

Ca	pacity
Nominal Capacity	150 AH
Total Energy	1.92 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

## **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

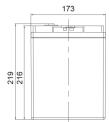
Specifications				
stem ✓	Weight	15.5 kg	34.2 lbs	
Sertified System	Length	33.0 cm	13"	
SAI GLOBAL	Width	17.3 cm	6.81"	
ISO 9001 Quality	Height Inc. Term.	21.9 cm	8.62"	

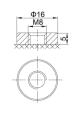
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

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









