

# **LIFEPO4 LITHIUM BATTERY**

## R12-200LFP





Series	R-Series LFP	Warranty	See Warranty Terms
Volts	12	BCI	G49
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge			
Charge Voltage Range	14.0 - 14.6V		
Recommended End of Discharge Voltage	12.0 V		
End of Discharge Protection Voltage	10.0 V		
Recommended 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	

## Charge Mode:

- 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	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	200 AH
Total Energy	2.56 kWh
Nominal Voltage	12.8 V

#### Safety

- Cylindrical LiFePO4 cells [ITR26-70/40E 4Ah, 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

## **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

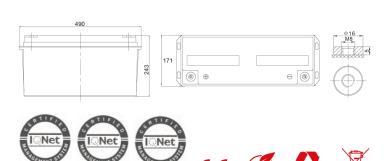
## **12V LFP PROFILE**

Specifications				
Sertified System	Weight	22 kg	48.5 lbs	
	Length	49.0 cm	19.3"	
SAI GLOBAL	Width	17.1 cm	6.73"	
ISO 9001 Quality	Height Inc. Term.	24.3 cm	9.57"	

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	4S200A
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**



OHSAS18001

ISO14001

ISO9001

