







Series	R-Series LFP	Warranty	See Warranty Terms
Volts	12	Design	8D
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	60A
10~35°C (50-95°F)	0.5C	150A
35~50°C (95-122°F)	0.2C	60A

#### 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	150 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	300 AH	
Total Energy	3.84 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
- 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

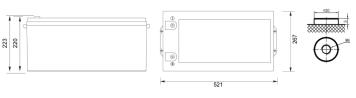
# **12V LFP PROFILE**

Specifications		
Weight	33 kg	72.8 lbs
Length	521 mm	20.5"
Width	267 mm	10.51"
Height	220 mm	8.66"
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	Molded
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





Rev.#2 | February 2024