







Series	S-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			
-20~0°C (-4-50°F)	0.1C	20A	
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	А	

#### 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	200 A		
Max Continuous Discharge Current	200 A		
Surge Current Limit	1100 A (300ms)		
Charge Temperature Range	-20°C~55°C (-4~131°F)		
Discharge Temperature Range	-20°~60°C (-4~140°F)		
Storage Temperature Range	-5°~45°C (23~113°F)		
Capacity			
Nominal Capacity	200 AH		

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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 •
- Display & integrated controls
- Visual state-of-charge (SOC) •
- External fuse access
- Internal heating for -20°C(-4°F)~0°C(32°F) charging
- Bluetooth Connectivity & dedicated App
- Maintenance-free operation

#### **Battery Management System (BMS)**

- Integrated hardware BMS inside
- Independent charge & discharge protection
- **Balance Protection** •
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

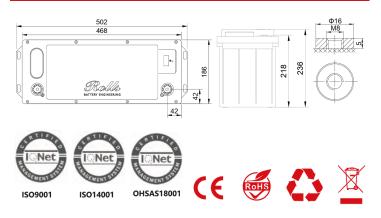
### **12V LFP Profile**

Specifications				
SAIGLOBAL ISO 9001 Quality	Weight	23 kg	50.7 lbs	
	Length	50.2 cm	19.76"	
	Width	18.5 cm	7.28"	
	Height Inc. Term.	23.6 cm	9.29"	

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	4S200ATX-V2
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**



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