

LIFEPO4 LITHIUM BATTERY

S12-150LFP





S-Series LFP

12

Series

Volts





See Warranty Terms

Terminal Type	M8		
Included Hardware	M8 stainless	bolts & washer	rs .
	Charge		
Charge Voltage Range		14.0 - 14.6V	
Recommended End of Disch	arge Voltage	12.0 V	
End of Discharge Protection Voltage		10.0 V	
Recommended Charge Voltage		14.4 V	
Recommended Charge Curr	ent		
-20~0°C (-4-50°F)		0.1C	14A
0~10°C (32-50°F)		0.2C	27A
10~35°C (50-95°F)		0.5C	68A
35~50°C (95-122°F)		0.2C	27A

Warranty

BCI

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	135 A	
Max Continuous Discharge Current	135 A	
Surge Current Limit	900 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	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
- 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

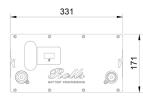
Specifications				
SAIGLOBAL ISO 9001 Quality	Weight	16.5 kg	35.3 lbs	
	Length	33.1 cm	13.03"	
	Width	17.1 cm	6.73"	
	Height Inc. Term.	22.9 cm	9.02"	

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

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Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle
Internal BMS Model	4S150ATX-V2
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	4 UNITS MAX
Parallel Connection	4 UNITS MAX
Connectivity	Up to 4S4P (48V configuration) or 1S6P

Detailed Illustration









ISO9001







CE



