



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

24V LFP Profile

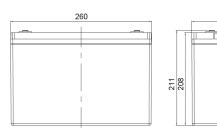
Specifications						
SAIGLOBAL ISO 9001 Quality	Weight	12 kg	26.5 lbs			
	Length	26.0 cm	10.24"			
	Width	17.0 cm	6.69"			
	Height Inc. Term.	21.1 cm	8.3"			

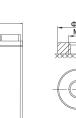
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS	
Cover	ABS	
Handles	Integrated Top Mount	
Internal BMS Model	8S50A	
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD	
Series Connection	2 UNITS MAX (48V)	
Parallel Connection	4 UNITS MAX (48V) or 6 UNITS MAX (24V)	
Connectivity	Connectivity Up to 2S4P (in 48V configuration) or 1S6P (in 24V configuration)	

Detailed Illustration

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Series	R-Series LFP	Warranty	See Warrant	ty Terms	
Volts	24	BCI	G24		
Terminal Type		M8			
Included Hardware		M8 stainless	bolts & washers		
Charge					
Charge Voltage Range			28.0 - 29.2V		
Recommended End of Discharge Voltage			24.0 V		
End of Discharge Protection Voltage			20.0 V		
Recommended Charge Voltage			28.8 V		
Recommended Charge Current					
0~10°C (3	0~10°C (32-50°F)		0.2C	10A	
10~35°C (50-95°F)			0.5C	25A	
35~50°C	35~50°C (95-122°F)		0.2C	10A	
Chargo Mode					

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)

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Max Continuous Charge Current	25 A
Max Continuous Discharge Current	50 A
Surge Current Limit	400 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	50 AH	
Total Energy	1.28 kWh	
Nominal Voltage	25.6 V	