







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

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	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	

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

24V LFP Profile

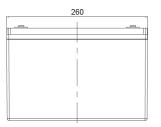
Specifications				
Certified System	Weight	12 kg	26.5 lbs	
	Length	26.0 cm	10.24"	
SAI GLOBAL	Width	17.0 cm	6.69"	
ISO 9001 Quality	Height Inc. Term.	21.1 cm	8.3"	

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	Up to 2S4P (in 48V configuration) or 1S6P (in 24V configuration)

Detailed Illustration

211 208





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