



Series	R-Series LFP	Warranty	See Warranty 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 (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 (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			
 SAI GLOBAL 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
Parallel Connection	4 UNITS MAX

Detailed Illustration

