



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 IOS & Android 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

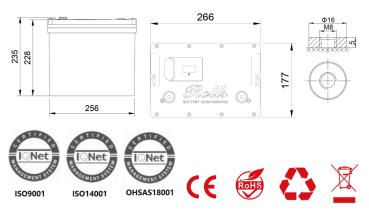
24V LFP Profile

Specifications			
SAI GLOBAL ISO 9001 Quality	Weight	12.5 kg	27.6 lbs
	Length	26.6 cm	10.47"
	Width	17.7 cm	6.97"
	Height Inc. Term.	23.4 cm	9.25"

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	8S50ATX-V2
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



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Series	S-Series LFP	Warranty	See Warranty Terms
Volts	24	BCI	G24
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

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Charge			

Charge		
28.0 - 29.2V		
24.0 V		
20.0 V		
28.8 V		
0.1C	10A	
0.2C	20A	
0.5C	50A	
0.2C	20A	
	24.0 V 20.0 V 28.8 V 0.1C 0.2C 0.5C	

Charge Mode:

Nominal Voltage

 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	100 A	
Max Continuous Discharge Current	100 A	
Surge Current Limit	800 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	50 AH	
Total Energy	1.28 kWh	

25.6 V