









Series	R-Series LFP	Warranty	See Warranty Terms
Volts	48	BCI	
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	
Charge			
Charge Voltage Range			56.0 - 58.4V
Recommended End of Discharge Voltage		/oltage	48.0 V
End of Discharge Protection Voltage		40.0 V	
Recommended Charge Voltage		57.6 V	

Recommended Charge Current			
0~10°C (32-50°F)	0.2C	21A	
10~35°C (50-95°F)	0.5C	52A	
35~50°C (95-122°F)	0.2C	21A	

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	100 A	
Max Continuous Discharge Current	200 A	
Surge Current Limit	900 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	105 AH
Total Energy	5.38 kWh
Nominal Voltage	51.2 V

Safety

- Prismatic LiFePO4 cells (UL1642) (UL2580)
- 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
- 48V surge current limits 300Å (30 sec), 500Å (3 sec)
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

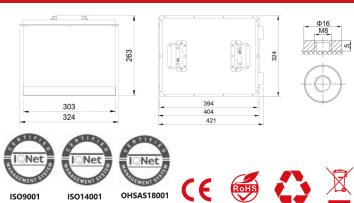
48V LFP Profile

Specifications			
SAIGLOBAL SO 9001 Quality	Weight	45 kg	99.2 lbs
	Length	40.4 cm	15.9"
	Width	32.4 cm	12.75"
	Height Inc. Term.	25.0 cm	9.84"

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

Container (Outer)	METAL
Handles	Integrated Top Mount
Internal BMS Model	16S200A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	4 UNITS MAX

Detailed Illustration



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