









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	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
- Bluetooth Connectivity & dedicated IOS & Android App

Battery Management System (BMS)

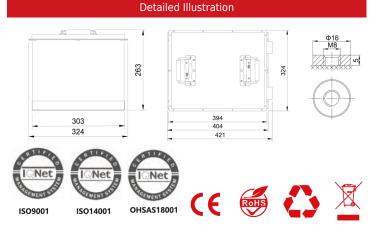
- Integrated hardware BMS inside
- Independent charge & discharge protection •
- 48V surge current limits 300A (30 sec), 500A (3 sec)
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

48V LFP Profile

Specifications					
stem ▲	Weight	45 kg	99 lbs		
Certified System	Length	40.4 cm	15.9"		
	Width	32.4 cm	12.75"		
ISO 9001 Quality	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.

METAL
Integrated Top Mount
16S200A
>6000 @ 80% DOD, >3000 @ 100% DOD
1 UNIT MAX
4 UNITS MAX



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