

LIFEPO4 LITHIUM BATTERY

R48-32LFP





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Volts	olts 48 BCI GC2			
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		ge	40.0 V	
Recommended Charge Voltage			57.6 V	
Recommended Charge Current				
0~10°C (32-50°F)			0.2C	6A
10~35°C (50-95°F)			0.5C	16A
35~50°C (95-122°F)			0.2C	6A

R-Series LFP Warranty See Warranty Terms

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	16 A	
Max Continuous Discharge Current	32 A	
Surge Current Limit	200 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	32 AH
Total Energy	1.64 kWh
Nominal Voltage	51.2 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

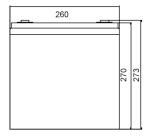
48V LFP Profile

Specifications					
Certified System	Weight	13.8 kg	30.4 lbs		
	Length	26.0 cm	10.24"		
	Width	18.0 cm	7.09"		
ISO 9001 Quality	Height Inc. Term.	27.3 cm	10.63"		

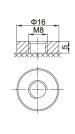
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS
Cover	ABS
Handles	Nylon Strap
Internal BMS Model	16S60A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	6 UNITS MAX

Detailed Illustration











ISO14001











