

# **LIFEPO4 LITHIUM BATTERY**

**R48-35LFP** 





7A

Series	R-Series LFP	Warranty	See Warrant	ty Terms	
Volts	48	BCI	GC2		
Terminal Type		M8			
Included Hardware		M8 stainless	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		9	57.6 V		
Recommended Charge Current					
0~10°C (32-50°F)			0.2C	7A	
10~35°C (50-95°F)		0.5C	17A		

## Charge Mode:

35~50°C (95-122°F)

• Charge at recommend voltage & current by temperature until charge current drops to  $\leq$  0.05C (CC,CV)

0.2C

- DO NOT USE TEMPERATURE COMPENSATION
  No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	17 A	
Max Continuous Discharge Current	35 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	35 AH
Total Energy	1.79 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

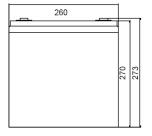
## **48V LFP Profile**

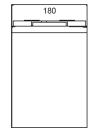
Specifications				
stem ✓	Weight	15 kg	33 lbs	
Sertified System	Length	26.0 cm	10.24"	
SAI GLOBAL	Width	18.0 cm	7.09"	
ISO 9001 Quality	Height Inc. Term.	27.3 cm	10.63"	

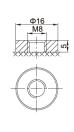
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

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











