



Series	R-Series LFP	Warranty	See Warranty Terms
Volts	48	Design	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	40.0 V	
Recommended Charge Voltage	57.6 V	
Recommended Charge Current		

0~10°C (32-50°F)	0.2C	7A
10~35°C (50-95°F)	0.5C	17A
35~50°C (95-122°F)	0.2C	7A

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	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
- Bluetooth Connectivity & dedicated IOS & Android App

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 Protection

48V LFP Profile

Specifications		
Weight	15 kg	33 lbs
Length	260 mm	10.24"
Width	180 mm	7.09"
Height	265 mm	10.43"
Height Incl. Term.	270 mm	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

