



Series	VB Series LFP	Warranty	See Warranty Terms
Volts	12	Design	Grp 31
Terminal Type	M8		
Included Hardware	M8 stainless bolts & washers		
Size & Thread	M8		

### Charge | Discharge

Charge Voltage Range	14.2-14.6V		
End of Discharge Protection Voltage	11.2 V		
Recommended Charge Current			
-20~10°C (-4-50°F)	0.5C	75A	

#### 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	100 A
Charge Temperature Range	-20~55°C (-4~131°F)
Discharge Temperature Range	-20~55°C (-4~131°F)
Storage Temperature Range	-20~55°C (-4~131°F)

### Capacity

Nominal Capacity	150 AH
Total Energy	1.92 kWh
Nominal Voltage	12.8 V

### Safety

- Prismatic LiFePO4 cells [CB36173204EA/3.2V150Ah]
- UN38.3 (cell/pack)
- ROHS (cell), IP65 Rating

### Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Maintenance-free operation
- Heating for low temperature 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

### Specifications

Weight	15.5 kg	34.2 lbs
Length	330 mm	12.99"
Width	172 mm	6.77"
Height	214 mm	8.43"
Height Incl. Term.	219 mm	8.62"

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	Integrated Top Mount
Internal BMS Model	RD-RJ4S100A
Expected Cycle Life	6000 @ 80% DOD
Series Connection	4 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX
Connectivity	Up to 4S4P (in 48V configuration)

### Detailed Illustration

