LIFEPO4 LITHIUM BATTERY

VB12-100LFP





Series	VB Series LFP	Warranty	See Warranty Terms
Volts	12	Design	G24
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

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	50A

Charge Mode:
• Charge at recommend voltage & current by temperature until charge current drops to ≤ 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	100 AH
Total Energy	1.28 kWh
Nominal Voltage	12.8 V

Safety

- Prismatic LiFePO4 cells [CB79/3.2V100Ah]
- IEC62619(cell), UL 1973 (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
- 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

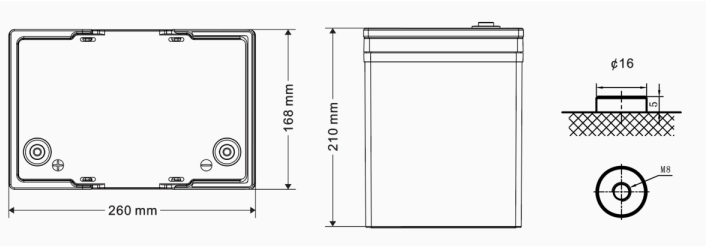
Specifications

Weight	10 kg	22 lbs
Length	260 mm	10.24"
Width	168 mm	6.61"
Height	210 mm	8.27"
Height Incl. Term.	215 mm	8.46"

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 (0.2C), >3000 @ 100% DOD (0.5C)
Series Connection	4 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX
Connectivity	Up to 4S4P (in 48V configuration)

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

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