LIFEPO4 LITHIUM BATTERY

VB12-200LFP





Series	VB Series LFP	Warranty	See Warranty Terms
Volts	12	Design	4D
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	
Size & Thread		M8	

Charge | Discharge

Charge Voltage Range	14.4-14.6V	
End of Discharge Protection Voltage	11.2 V	
Recommended Charge Current		
-20~50°C (-4-122°F)	0.5C	100A

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	200 A
Max Continuous Discharge Current	200 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	200 AH
Total Energy	2.56 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

- ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Maintenance-free operation
- Heating for low temperature operating
- 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

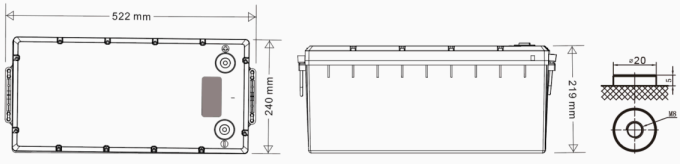
Specifications

Weight	21.6 kg	47.6 lbs
Length	522 mm	20.55"
Width	240 mm	9.45"
Height	219 mm	8.62"
Height Incl. Term.	224 mm	8.82"

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	Rope / Plastic Handle
Internal BMS Model	RD-RJ4S200A
Expected Cycle Life	>6000 @ 80% DOD (0.2C), >3000 @ 100% DOD (0.5C)
Series Connection	4 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX (48V)
Connectivity	Up to 4S4P (in 48V configuration)

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

Rev.#2 | November 2025