LIFEPO4 LITHIUM BATTERY

VB24-100LFP







Series	VB SERIES LFP	Warranty	See Warranty Terms
Volts	24	Design	8D
Cells	3.2V104Ah, 8S1P		
Terminal Type	M8		
Included Hardware	M8 stainless bolts & washers		

Charge | Discharge

Charge Voltage Range	28.0 - 29.2V
Recommended End of Discharge Voltage	24.0 V
End of Discharge Protection Voltage	22.4 V
Recommended Charge Voltage	28.8 V
Recommended Charge Current	

0~10°C (32-50°F)	0.2C	20A
10~35°C (50-95°F)	0.5C	50A
35~50°C (95-122°F)	0.2C	20A

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
Surge Current Limit	1000 A (300ms)
Charge Temperature Range	0°C~55°C (-4~131°F)
Discharge Temperature Range	-20°~60°C (-4~140°F)
Storage Temperature Range	-5°~45°C (23~113°F)

Capacity

Nominal Capacity	100 AH
Total Energy	2.56 kWh
Nominal Voltage	25.6 V

Safety

- Prismatic LiFePO4 cells UL1973 (cell), UL1642 (cell)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Standard-size (BCI) ABS container with removable cover
- Fast charge/discharge performance
- On/Off Button & LED indicators for state-of-charge, run & alarm
- Bluetooth connectivity
- Maintenance-free operation

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- Balancing
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Low-Temperature Protection, Over-Temperature Protection

24V LFP Profile

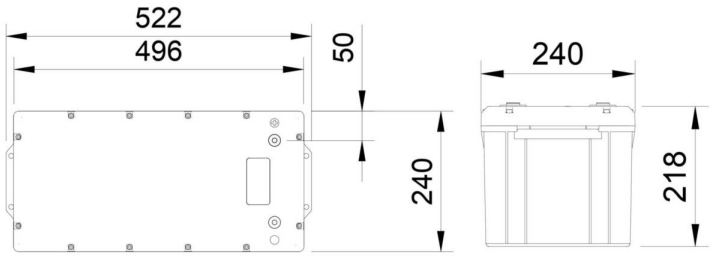
Specifications

Weight	21.6 kg	47.6 lbs
Length	522 mm	20.55"
Width	240 mm	9.45"
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	Rope / Plastic Handle
Expected Cycle Life	>3500 @ 80% DOD
Series Connection	2 UNITS MAX
Parallel Connection	4 UNITS MAX
Connectivity	Up to 2S4P (48V configuration)

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

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