

# 100AH 12.8V LIFEPO4 LEISURE BATTERY

Updated version (2025)

**VOLTANIC**



## MAIN FEATURES

## 2X MORE POWER. 5X LONGER LIFE.

### ENERGY STORAGE AS IT SHOULD BE.

Twice the storage half the weight of lead-acid batteries, our advanced LiFePO4 drop-in leisure battery is the perfect choice for any off-grid solar system. Built with cutting-edge Lithium Iron Phosphate (LiFePO4) cell chemistry and a smart Battery Management System (BMS), it delivers unmatched performance, safety, and longevity.

- 100Ah 12.8V Capacity
- Grade "A" Prismatic Cells
- 100A Continuous Discharge | 200A Peak (10s)
- Wide range of series and parallel connection
- Advance BMS for extra safety and longevity

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## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12V (12.8V)
Nominal Capacity	100Ah
Capacity @20A	5 HR
Energy	1280 Wh
Resistance	≤20mΩ
Self discharge	< 3% per month
Max modules in series	4 pieces
Cell Chemistry	LiFePO4
Cell Type	Prismatic
Cell Configuration	4S1P

## CHARGE SPECIFICATIONS

Recommended Charge Current	50A
Max. Charge Current	100A
Max. Charge Current	100A
BMS Charge Voltage Cut-off	14.6V (1±0.2S)
Reconnect Voltage	13.6V-14.2V
Balancing Current	2A
Balancing Voltage	3.4V

## DISCHARGE SPECIFICATIONS

Recommend Cont. discharge	50A
Max. Cont. Discharge Current	100A
Peak Discharge Current	200A(30s)
BMS Discharge Cut-off	10V
Short Circuit Protection	200-400 μs

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## MECHANICAL SPECIFICATIONS

Dimensions (L*W*H)	307*169*208 mm
Weight	10KG±0.3KG
Terminal Type	M8 Screw Stud
Case material	ABS
Enclosure Protection	IP65

## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C to 60°C
Charge Temperature	0°C to 50°C
Recommended Storage Temperature	10°C to 36°C

## CERTIFICATES



**UN38.8**

**MSDS**

