

# 12V 100Ah LifePO4 Lithium Battery

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The Securi-Prod Lithium Batteries are here. These batteries are specifically built for our industry. They also come with built-in intelligence – a **Battery Management System** which allows customers to use the existing charging circuit, ensuring that **no special chargers are required to charge the battery.**

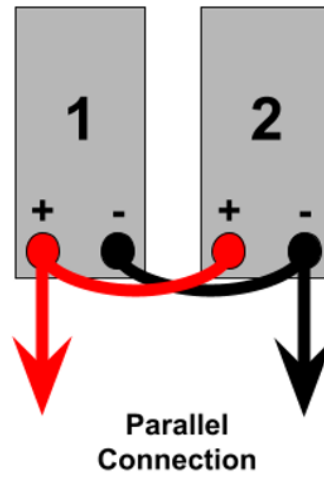
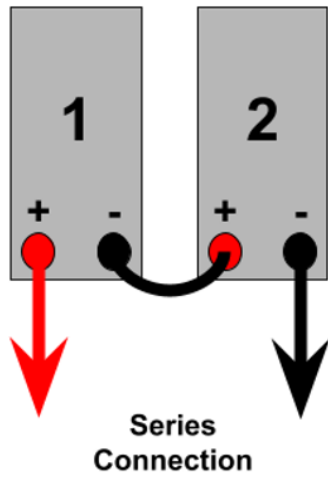
## Model:

BA50-12 - 12V 100Ah LifePO4 Lithium Battery



## Key Features:

- New Lithium Iron Phosphate cells
- High Cycle Life: >3000 at 80%DOD (Depth of Discharge)
- Suitable SLA Replacement – RV & Caravan, Backup Power, Solar Applications, UPS, etc
- Built-in BMS (Battery Management System) for Battery Protection
- Light Weight – 30% of SLA battery



A maximum number of batteries connected:

- In Series: 4
- In Parallel: 8

Note:

- To increase voltage, the series connection method is used.  
For example:  $12V + 12V = 24V$ . When connected in series the capacity remains the same.
- To increase capacity, a parallel connection method is used.  
For example:  $100Ah + 100Ah = 200Ah$ . When connected in parallel the voltage remains the same.
- Series & Parallel combinations are **NOT Recommended**.

## Technical Specifications:

Nominal Voltage	12V (12.8V)
Capacity	100Ah
Self-Discharge	<3%/month
Max Discharge Current	100A
Recommended Discharge Current	<50A
Max Charge Current	50A
Recommended Charge Current	<30A
BMS Cut-off Low Voltage	9.2V
BMS Charge Cut-off High Voltage	14.6V
Dimensions (L*W*H)	329*172*217mm
Weight	12kg
Terminal Type	Screw Stud (M8)
Enclosure Protection	IP65
Discharge Temperature	-20°C to 60°C
Charge Temperature	0°C to 45°C