

12V 20Ah LifePO4 Lithium Battery

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.**

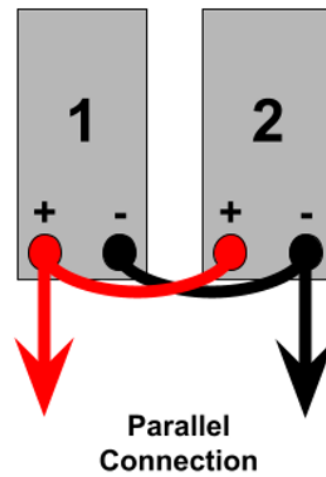
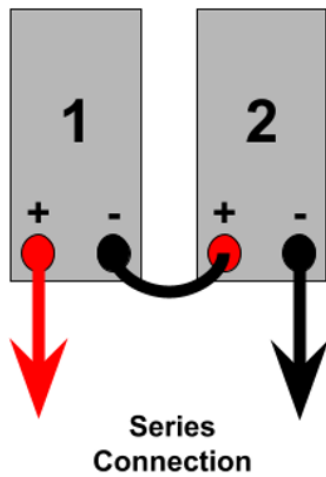
Model:

BA50-6 - 12V 20Ah LifePO4 Lithium Battery



Key Features:

- New Lithium Iron Phosphate cells
- High Cycle Life: >3000 at 80%DOD (Depth of Discharge)
- Suitable SLA Replacement – 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: 20Ah + 20Ah = 40Ah. When connected in parallel the voltage remains the same.
- Series & Parallel combinations are **NOT Recommended**.

Technical Specifications:

Nominal Voltage	12V (12.8V)
Capacity	20Ah
Self-Discharge	<3%/month
Max Discharge Current	20A
Recommended Discharge Current	<10A
Max Charge Current	10A
Recommended Charge Current	<5A
BMS Cut-off Low Voltage	9.2V
BMS Charge Cut-off High Voltage	14.6V
Dimensions (L*W*H)	181*76*170mm
Weight	2.3kg
Terminal Type	Screw Stud (M6)
Enclosure Protection	IP65
Discharge Temperature	-20°C to 60°C
Charge Temperature	0°C to 45°C