

BA50-1

12V 7Ah LiFePO4 Lithium Battery



Key Features:

- New Lithium Iron Phosphate cells
- High Cycle Life: >3000 at 80%DOD (Depth of Discharge)
- Suitable SLA Replacement – Gate Motor, Energizer, Alarm System.
- Built-in BMS (Battery Management System) for Battery Protection
- Light Weight – 30% of SLA battery

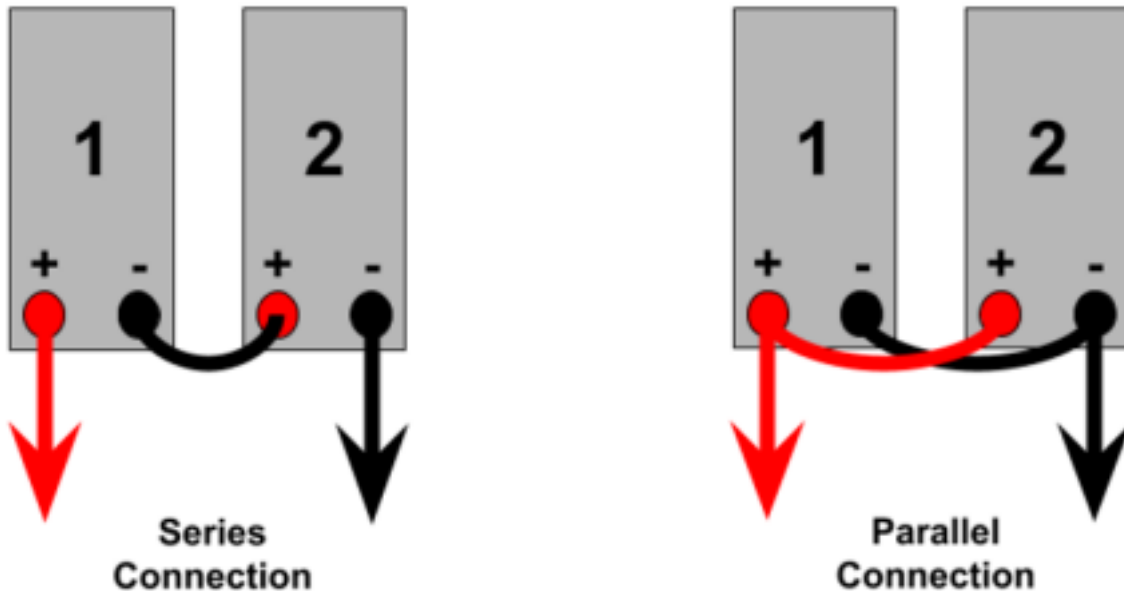
Specifications	
Nominal Voltage	12V (12.8V)
Capacity	7Ah
Self-Discharge	<3%/month

Max Discharge Current	10A
Recommended Discharge Current	<5A
Max Charge Current	5A
Recommended Charge Current	<5A
BMS Cut-off Low Voltage	9.2V
BMS Charge Cut-off High Voltage	14.6V
Dimensions (L*W*H)	151*65*95mm
Weight	800g
Terminal Type	F2 (6.35mm)
Enclosure Protection	IP65
Discharge Temperature	-20°C to 60°C
Charge Temperature	0°C to 45°C

1

Series & Parallel Connection:

Connection Example:



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: 7Ah + 7Ah = 14Ah. When connected in parallel the voltage remains the same. • Series & Parallel combinations are **NOT Recommended**.

Cautions:

- ⚠ **Do not submerge the battery in water.**
- ⚠ **Do not expose the battery to an open flame or extreme temperatures.**
- ⚠ **Do not crush or disassemble.**
- ⚠ **Avoid short circuits.**
- ⚠ **Store at 50% capacity, recharge every 3 months if not in use.**

