

Lithium Battery



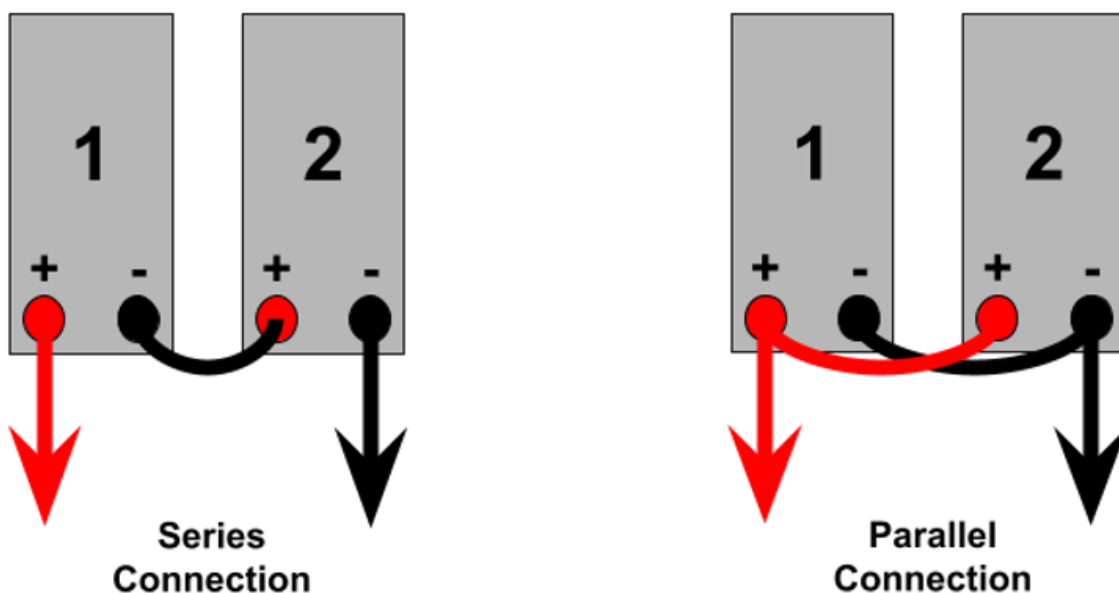
Key Features:

- New Lithium Iron Phosphate cells.
- High Cycle Life : >3000 @ 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.

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

Series & Parallel Connection:

Connection Example:



Maximum number of batteries connected:

- In Series: 4
- In Parallel: 8

Note:

- To increase voltage, series connection method is used.
For example: $12V + 12V = 24V$. When connected in series the capacity remains the same.
- To increase capacity, 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**.

Cautions:

- ⚠ Do not submerge battery in water.
- ⚠ Do not expose 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.



BA50-6

12V 20AH LifePO4 Battery