



BA50-6 12V 20Ah LiFePO4 Lithium Battery





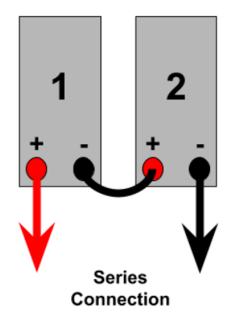
Key Features:

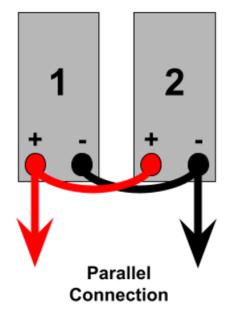
- New Lithium Iron Phosphate cells.
- High Cycle Life: >3000 @ 80%DOD (Depth of Discharge).
- Suitable SLA Replacement Backup Power, Solar Applications, UPS, etc.
- Built-in BMS (Battery Management System) for Battery Protection.
- Light Weight 30% of SLA battery.

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:





A maximum number of batteries connected:

In Series: 4In 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.**

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.

