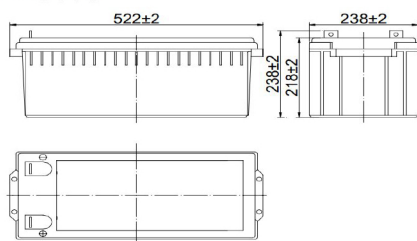


Features of LiFePO4 battery

- **Longer Cycle Life:** Offers up to 20times longer cycle life and five times longer float /calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice power of lead acid battery ,even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20°C-60°C.
- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- **Increased Flexibility:** Modular Design enables deployment of up to up to ten battery in parallel.

Physical Dimension

Dimensions



Specification

Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100Ah
	Energy	5120Wh
	Internal Resistance	≤20mΩ
	Cycle Life	>3000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	28.8±0.1V
	Charge Mode	0.2C to 14.4V, then 14.4V,charge current to 0.02C (CC/CV)
	Charger Current	100A
	Max. Charge Current	100A
	Charge Cut-off Voltage	15.0V±0.1V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	300A(<3s)
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity
	Water Dust Resistance	IP56
Mechanical	Cell & Method	LiFePO4 100Ah 4S2P
	Plastic Case	ABS
	Dimensions (mm./in.)	522*240*219mm
	Weight (kg./lbs.)	23.0kg
	Terminal	M8
	In parallel	Max 4pcs
	Bluetooth Function	Optional

BATTERY MODEL: MPB-24V-100AH
(25.6V100Ah)
DEEP CYCLE



Application

- Electric vehicles, electric mobility
- Solar/wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting