

LFP SERIES LITHIUM BATTERY

LiFePO4 76.8V 30AH/52Ah/63AH/87AH/125AH

- **Superior Safety:** Highly stable chemistry ensures safe operation in various conditions.
- **Low Self-Discharge Rate:** Retains charge effectively, even during long periods of inactivity.
- **Excellent High-Temperature Performance:** Operates reliably under elevated temperatures without degradation.
- **Extended Cycle Life:** Offers thousands of charge/discharge cycles, ensuring a long service lifespan.
- **High Energy Density:** Packs significant energy into a compact size for greater efficiency.
- **Ease of Installation:** Lightweight and simple to set up in various applications.
- **Efficient Communication:** Supports easy integration with inverters through BMS Modbus protocols.



Item	Specification (Accept Custom Designs)					
	Model	2.3kWh	4kWh	4.9kWh	6.7kWh	9.6kWh
Electrical Characteristics	Nominal Voltage	76.8V	76.8V	76.8V	76.8V	76.8V
	Nominal Capacity	30AH	52AH	63AH	87AH	125AH
	Internal Resistance	≤20mΩ				
	Cycle Life	>4000 Cycles, 8 Years Warranty(First 3 Years: Free Replacement, Next 5 years: Free Repair)				
	Months Self Discharge	<3%				
	Efficiency of Charge	100% @0.5C				
	Efficiency of Discharge	96~99% @1C				
Standard Charge	Charge Voltage	87.6±0.2V				
	Charge Mode	0.5C to 87.6V, then 58.4V charge current 0.02C(CC/CV)				
	Max. Charge Current	15A	26A	31A	43A	62.5A
	Charge Cut-off Voltage	88.8V±0.2V				
Standard Discharge	Continuous Current	30A	52A	63A	87A	125A
	Max. Pulse Current	40A	68A	82A	113A	160A
	Discharge Cut-off Voltage	60V				
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	IP30				
Mechanical	Cell & Method	3.2V30AH-24S1P	3.2V52AH-24S1P	3.2V63AH-24S1P	3.2V87AH-24S1P	3.2V125AH-24S1P
	Dimensions (in./mm.)	260*210*177MM	482*400*177MM	491*467*280MM	646*467*280MM	646*467*280MM
	Weight (lbs./kg.)	19.5Kg	34Kg	36Kg	45Kg	59Kg
	Terminal	60A terminal	100A terminal	100A terminal	100A terminal	200A terminal
	Protocol (optional)	RS485/RS232CAN				
	BMS	24S40A	24S100A	24S100A	24S100A	24S150A

BMS System



LiFePO4 Cell Package



LiFePO4 in Box



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E-mail: anethic@anethic.com

WhatsApp: +86 135 3008 9063

Web: www.ANETHIC.com