Lithium Iron Phosphate (LiFePO4) Battery

Features of LiFePO4 Battery

SPF26V-100 LFP100-24 (25.6V100Ah)

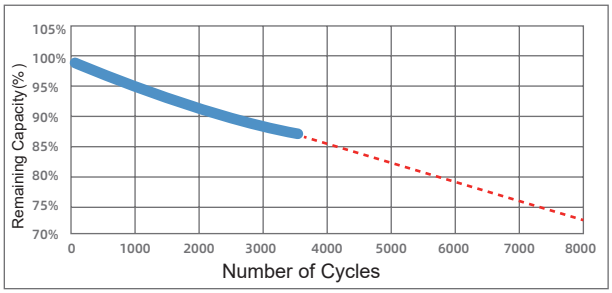
- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement 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℃~60℃.
- **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 four batteries in series and up to ten batteries in parallel.



Application

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

Cycle Life Curve



Specification

Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100Ah (C5,25℃)
	Energy	2560Wh
	Internal Resistance	≤200mΩ
	Cycle Life	>3500 cycles@0.5C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	29.2±0.2V
	Charge Mode	0.2C to29.2V, then29.2,charge current0.02C(CC/CV)
	Charger Current	20A
	Max. Charge Current	100A
	Charge Cut-off Voltage	29.6V±0.2V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	300A(<3s)
	Discharge Cut-off Voltage	20V
Environmental	Charge Temperature	0 ℃ to45 ℃ (32F to113F)
	Discharge Temperature	-20 ℃ to60 ℃ (-4F to140F)
	Storage Temperature	0 ℃ to40 ℃ (32F to104F)
	Water Dust Resistance	
Mechanical	Cell & Method	3.2V100AH-8S2P
	Plastic Case	ABS
	Dimensions (in./mm.)	532*207*215mm
	Weight (lbs./kg.)	19Kg
	Terminal	M8
	Protocol (optional)	NO
	BMS	8S100A