

Lithium Iron Phosphate (LiFePO4) Battery LFeLi-2410M (25.6V10Ah)

Features Of LiFePO4 Battery

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.

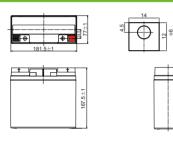
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range: -20°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.

Physical Dimension-mm





Typical Applications

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

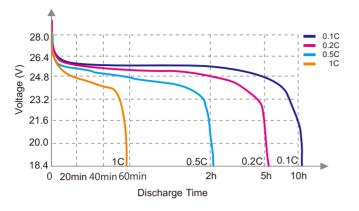
Specification

Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	10Ah
	Energy	256Wh
	Internal Resistance(AC)	≤ 20m Ω
	Cycle Life	>3000 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 to 29.2V, then 29.2V, charge current to 0. 02C (CC/CV)
	Charge Current	5A
	Max. Charge Current	10A
	Charge Cut-off Voltage	29.2V±0.2V
Standard Discharge	Rated Discharge Current	5A
	Max. Discharge Current	10A
	Discharge Cut-off Voltage	20V
Environmental	Charge Temperature	0 °C to 55 °C (32F to 131F) @60 \pm 25% Relative Humidity
	Discharge Temperature	–20 $^\circ \!\!\! C$ to 60 $^\circ \!\!\! C$ (–4F to 140F) $@60{\pm}25\%$ Relative Humidity
	Storage Temperature	0 $^\circ \rm C$ to 45 $^\circ \rm C$ (32F to 113F) @60 $\pm 25\%$ Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	ABS
	Approx. Dimensions	181.5mm*77mm*167.5mm (7.15in.*3.03in.*6.59in.)
	Approx. Weight	2.76kg (6.08lbs)
	Terminal	Т3

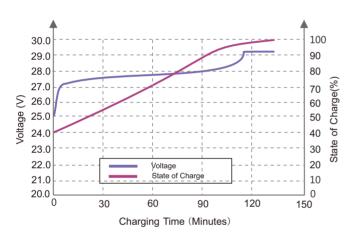




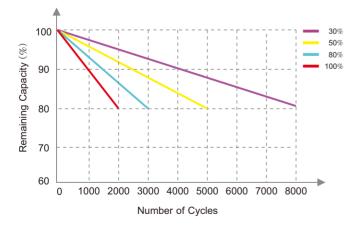
Different Rate Discharge Curve(25°C)



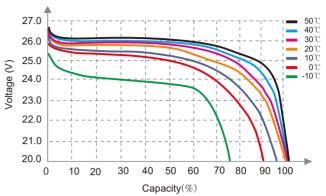
State of Charge Curve(0.5C, 25°C)



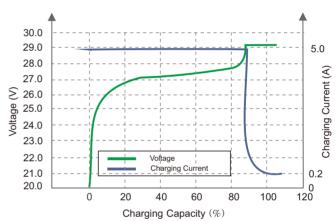
Different DOD Discharge Cycle Life Curve(0.5C)



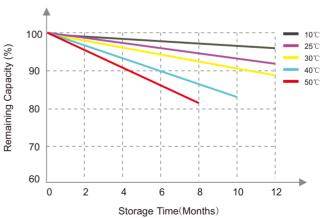
Different Temperature Discharge Curve(0.5C)



Charging Characteristics(0.5C, 25℃)



Different Temperature Self Discharge Curve



Publication No :LB-LFeLi-2410M-PD-EN-V2.0-202208

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