

Lithium Iron Phosphate(LiFePO₄) Battery

ALFP-48100(48V 100Ah)



Features Of LiFePO₄ Battery

Longer Cycle Life: Offers up to 10 times longer cycle life and five Times longer float/calendar life than lead acid battery, helping it 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.

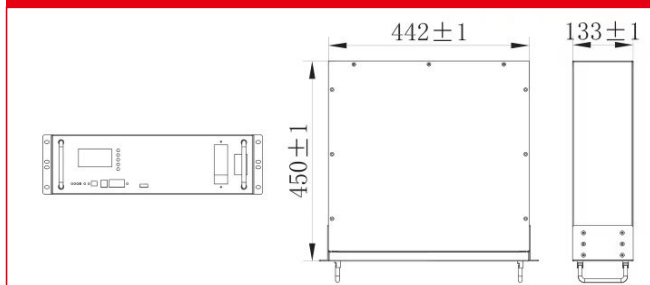
Wider Temperature Range: -20 ~ 60°C

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Multi Protocol: The battery work well with multiple brands of inverters.



Physical Dimension-mm



Application

- Indoor/outdoor telecom base stations
- UPS
- Household energy storage system

Specification

Electrical Characteristics	Nominal Voltage	48.0V
	Nominal Capacity	100Ah
	Nominal Energy	4800Wh
	Combination Method	15S1P
	Cycle Life	≥3500 cycles @80%DOD @35°C
	Months Self Discharge	1%/Month
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Standard Charge	Recommended Charging Voltage	54.0V
	Recommended Charging Current	20A
	Max. Charging Voltage	54.75V
	Max. Charging Current	100A
Standard Discharge	Recommended Discharging Current	50A
	Max. Pulse Current	100A
	Discharge Cut-off Voltage	40.0V
Environmental	Charge Temperature	0°C ~ 55°C
	Discharge Temperature	-20°C ~ 60°C
	Storage Temperature	0°C ~ 40°C
Other	IP Class	IP30
	Plastic Case	Metal
	Dimensions (in. /mm.)	442*133*450mm
	Weight (lbs. /kg.)	43kg
	Others (optional)	Anti-theft function, LCD display