

Lithium Iron Phosphate(LiFePO4) Battery

ALFP-48100H(51.2V 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 ti 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.

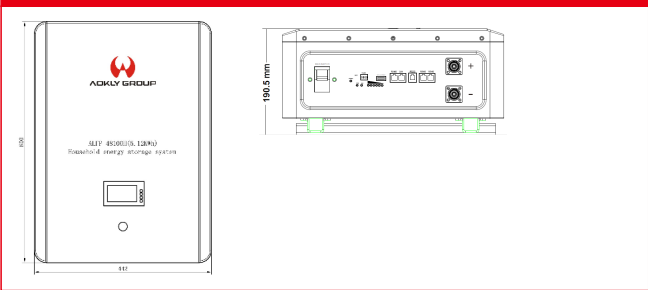
Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

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.



Physical Dimension-mm



structure



Specification

Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	100Ah
	Nominal Energy	5120W
	Combination Method	16S1P
	Cycle Life	≥6000 cycles
	Months Self Discharge	≤3%/M
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Standard Charge	Recommended Charging Voltage	57.6V
	Recommended Charging Current	20A
	Max. Charging Voltage	58.4V
	Max. Charging Current	100A
Standard Discharge	Recommended Discharging Current	50A
	Max. Pulse Current	100A
	Discharge Cut-off Voltage	43.2V
Environmental	Charge Temperature	0℃~45℃
	Discharge Temperature	-20℃~60℃
	Storage Temperature	0℃~40℃
Other	IP Class	IP54
	shell material	Metal
	Dimensions (in. /mm.)	600*442*170mm
	Weight (lbs. /kg.)	45kg
	Protocol(optional)	CAN , Modbus