Lithium iron phosphate (lifePO4) Battery
ALFP-48100H(5.12KVh 100 Ah)

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Features Of Life PO4 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.

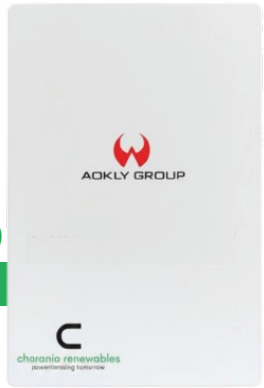
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A'drop in' replacement for lead acid batteries.

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

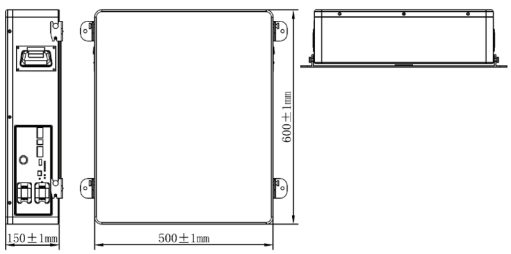
Wider Temperature Ranger : -20~60℃

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

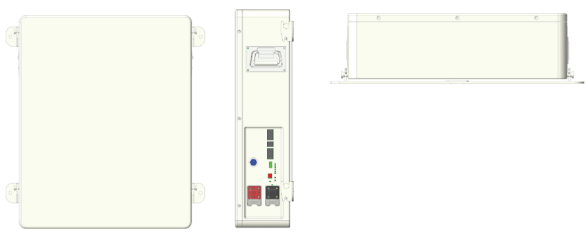
ALFP-48100
5.12kwh



Physical Dimension - mm



Structure



Specification

Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	100 AH
	Nominal Energy	7680Wh
	Combination Method	16S1P
	Cycle Life	≤6000 Cycles @80% DOD 25° C
	Months Self Discharge	3%/month
	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*500*150mm
	Weight (lbs. /kg.)	65kg
	Others(optional)	Built in Wifi

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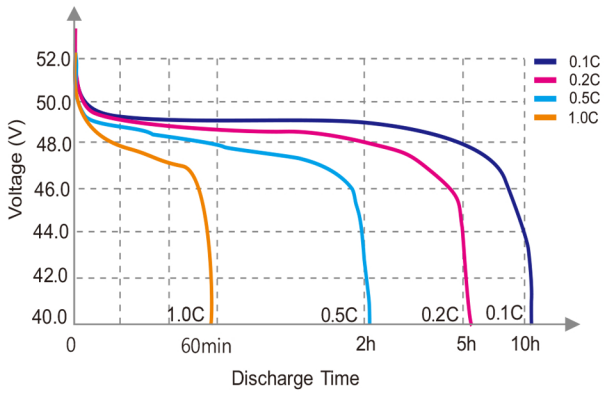
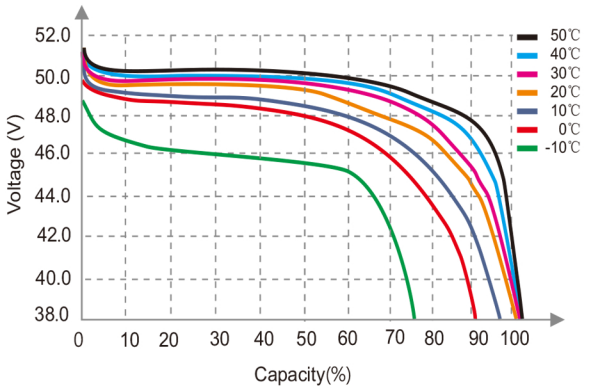
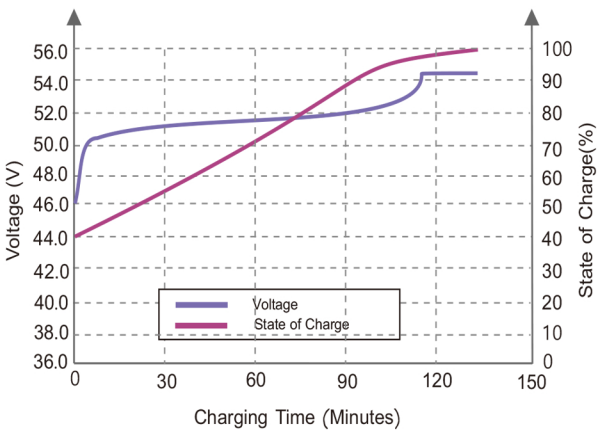
Different Rate Dischage Curve (25° C)



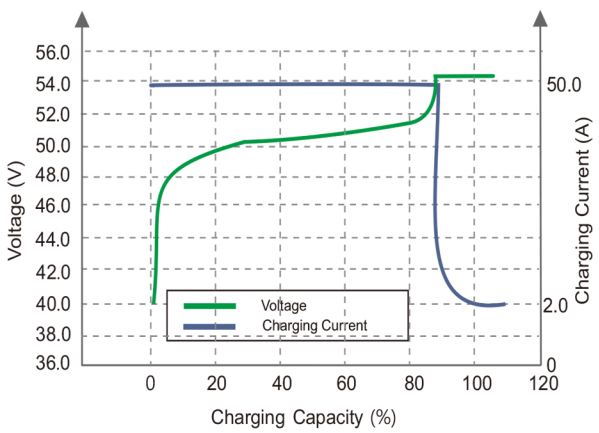
Different Temperature Dischage Curve (25 C)



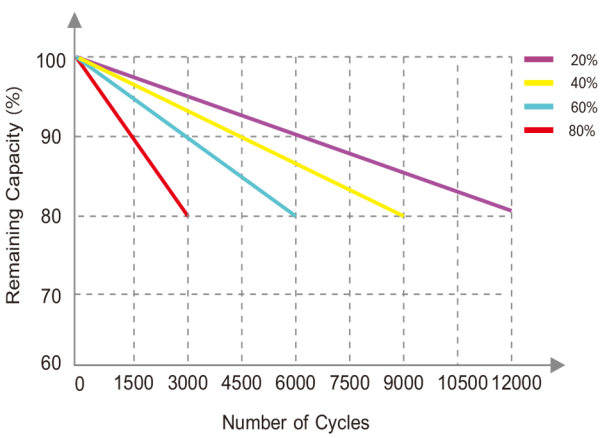
State of Charge Curve (0.5C, 25 C)



Charging characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve (1c)



DifferentTemperature Self Discharge Curve