

Lithium iron phosphate (lifePO4) Battery ALFP-48200H(10.24KWh 200 Ah)

Features Of Life PO4 Battery

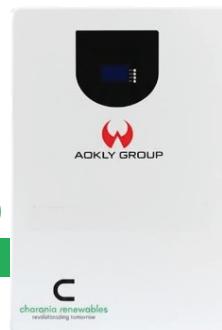
Longer Cycle Life: Offers up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it minimize replacement cost and reduce total cost of ownership.

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.

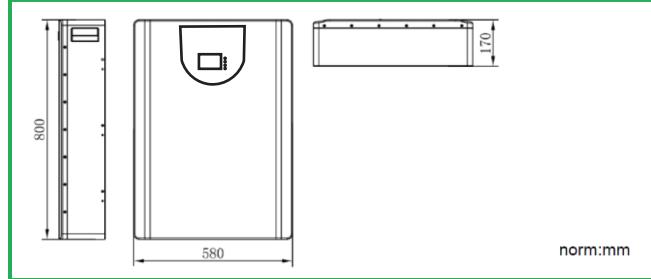


ALFP-48200

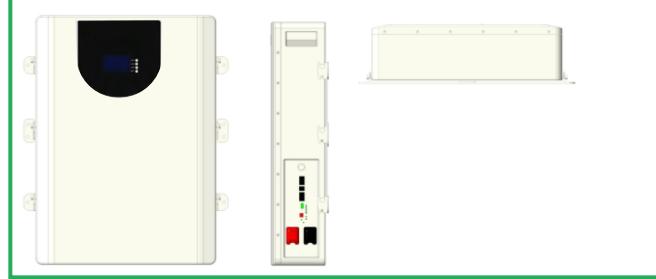
10.24 kwh



Physical Dimension - mm



Structure

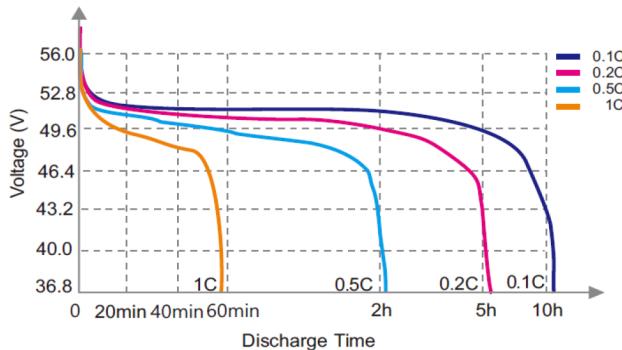


Specification

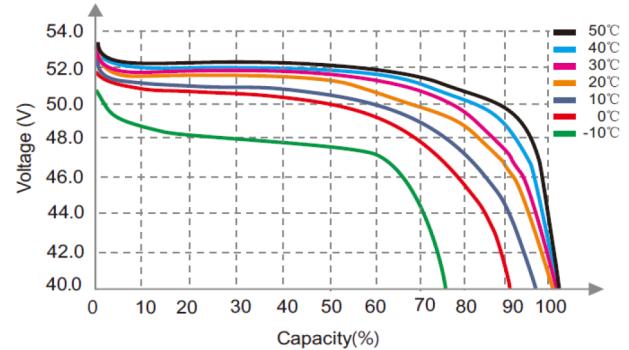
Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	200Ah
	Nominal Energy	10240Wh
	Combination Method	16S2P
	Cycle Life	≤ 6000 cycles @80%DOD @35°C
	Months Self Discharge	1%/Month
	Efficiency of Charge	≤ 97%
	Efficiency of Discharge	≤ 98%
Standard Charge	Recommended Charging Voltage	57.6V
	Recommended Charging Current	40A
	Max. Charging Voltage	58.4V
	Max. Charging Current	100A
Standard Discharge	Recommended Discharging Cut-off voltage	100A
	Max. Pulse Current	220A (5S)
	Discharge Cut-off Voltage	43.2V
Environmental	Charge Temperature	0°C ~ 55°C
	Discharge Temperature	-20°C ~ 60°C
	Storage Temperature	0°C ~ 40°C
Other	IP Class	IP32
	Plastic Case	Metal
	Dimensions (in. /mm.)	800*580*170mm
	Weight (lbs. /kg.)	97KG
	Others (optional)	CAN communication, LCD display

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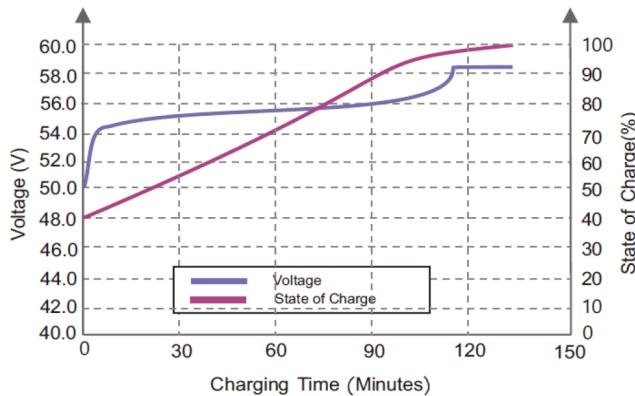
Different Rate Discharge Curve (25° C)



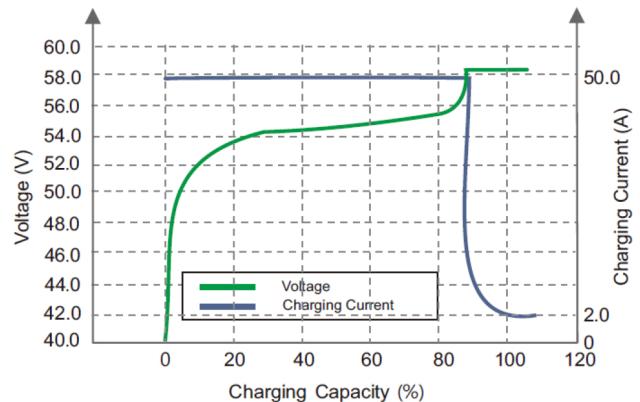
Different Temperature Discharge Curve (0.5° C)



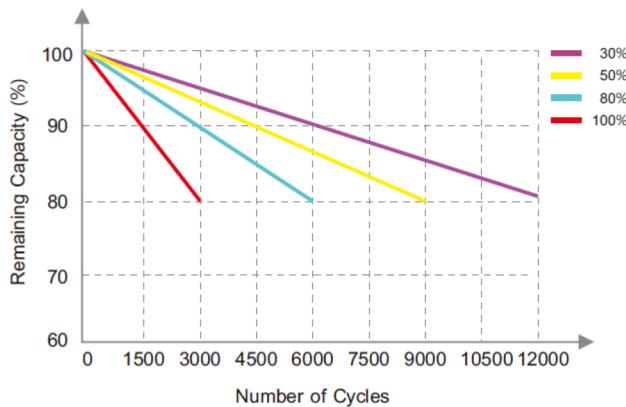
State of Charge Curve (0.5C, 25° C)



Charging characteristics (0.5C, 25° C)



Different DOD Discharge Cycle Life Curve (1c)



Different Temperature Self Discharge Curve

