

POWER LITHIUM

LFP48V150AH

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.

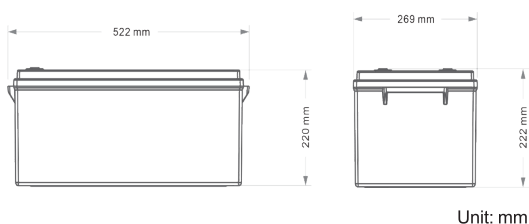
Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

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

- Wheelchairs and scooters
- Solar/wind energy storage
- Back-up power for small UPS
- Golf trolleys & buggies
- Electric bikes
- Tools

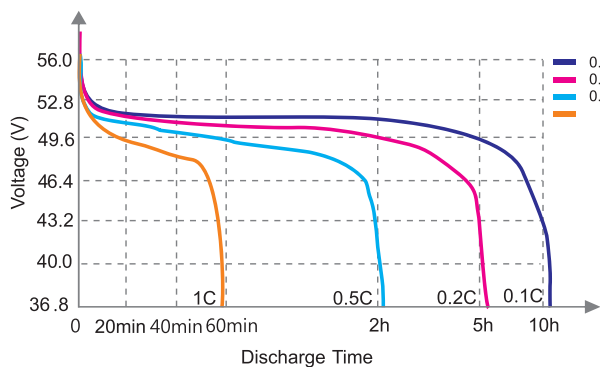
Specification

Electrical Characteristics	Nominal Voltage	48V
	Nominal Capacity	150Ah
	Energy	7200Wh
	Internal Resistance(AC)	≤20mΩ
	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	58.4±0.2V
	Charge Mode	0.2C to 58.4V, then 58.4V, charge current to 0.02C (CC/CV)
	Charge Current	75A
	Max. Charge Current	150A
	Charge Cut-off Voltage	58.4V±0.2V
Standard Discharge	Rated Discharge Current	150A
	Max. Discharge Current	300A
	Rec.discharge cut-off voltage	40V
Environmental	Charge Temperature	0 °C to 55 °C @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C @60±25% Relative Humidity
	Storage Temperature	-20 °C to 45 °C @60±25% Relative Humidity
	IP Class	IP67
Mechanical	Plastic Case	ABS
	Dimensions (mm.)	522*269*220mm
	Weight (kg.)	approx. 39kg
	Terminal	M8
	BMS	300A 4P

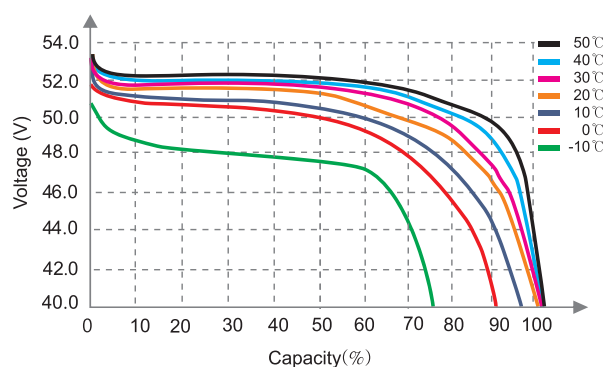
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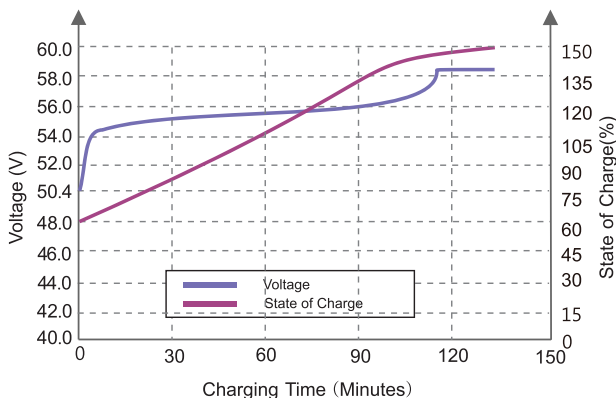
Different Rate Discharge Curve(25°C)



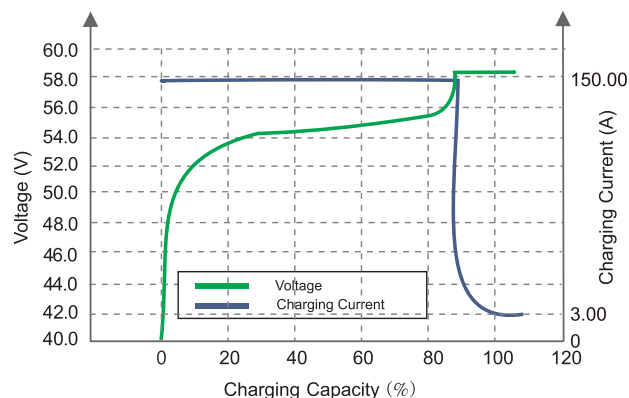
Different Temperature Discharge Curve(0.5C)



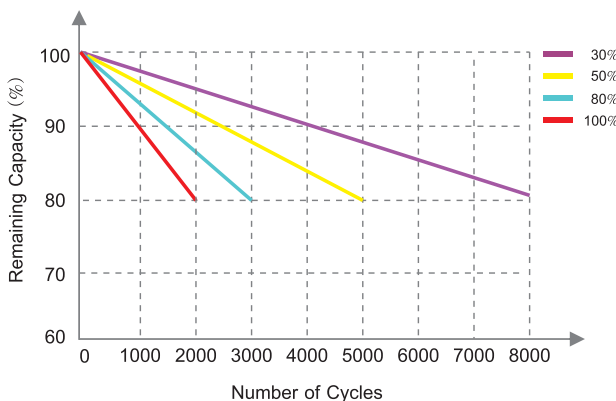
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

