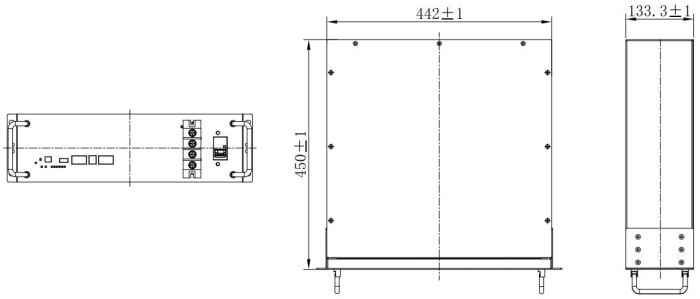
WT-5121000-LA

LITHIUM BATTERY
LifePO4

Features

- **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℃
- **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.

Dimension-mm



Application

- Indoor/outdoor telecom base stations
- Household energy storage system
- Smart transportation backup power supply

Specification

Basic Parameters	Rated Voltage	48V
	Rated Capacity	100Ah
	Rated Energy	4800wh
	Combination Method	15S1P
	Cycle Life	≥6000 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	54.0V
	Charge Current (Recomm.)	20A
	Charge Current (Max.)	100A
Discharge	Discharge Cut-off Voltage	40.0V
	Discharge Current(Recomm.)	50A
	Pulse Current	120A（3S）
Environment	Charge Temperature	0℃ to 60℃
	Discharge Temperature	-20℃ to 60℃
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Case Material	Metal
	Dimensions (mm)	442*133*450mm
	Weight (kg)	43kg
	Others(optional)	Anti-theft function, LCD display

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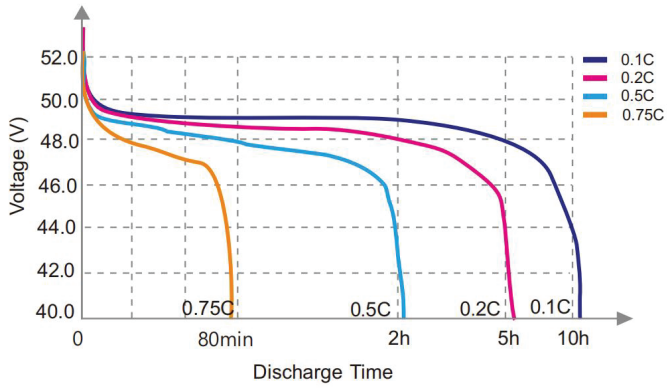
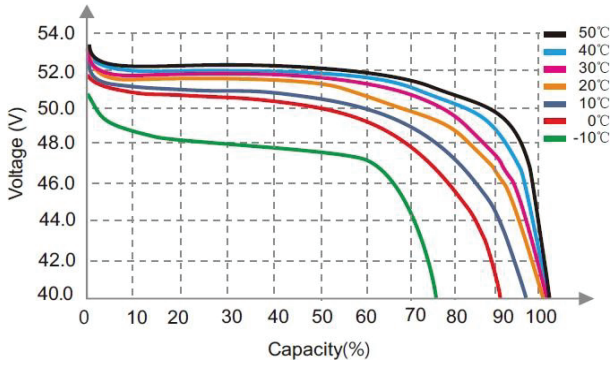
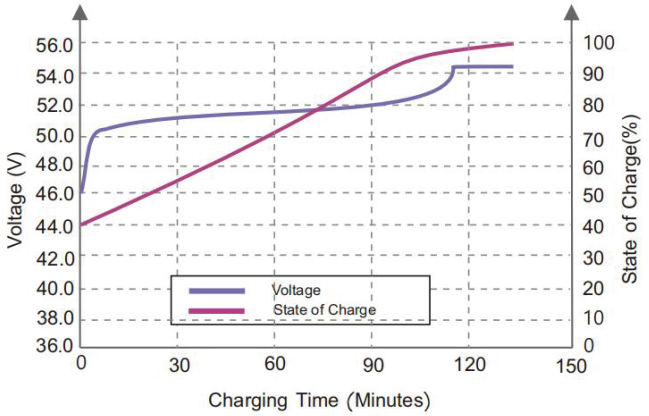
Different Rate Discharge Curve (25℃)



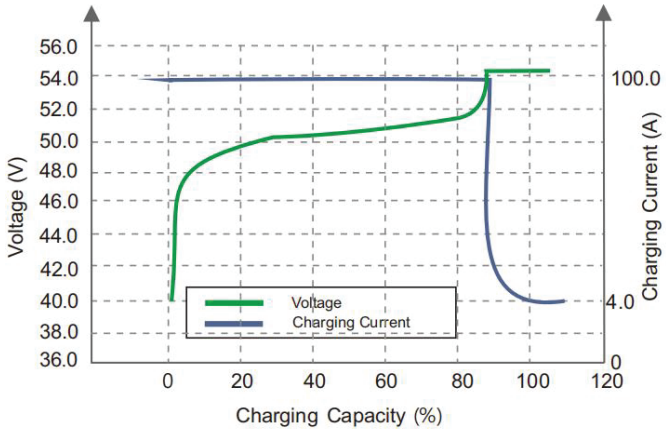
Different Temperature Discharge Curve (0.5C)



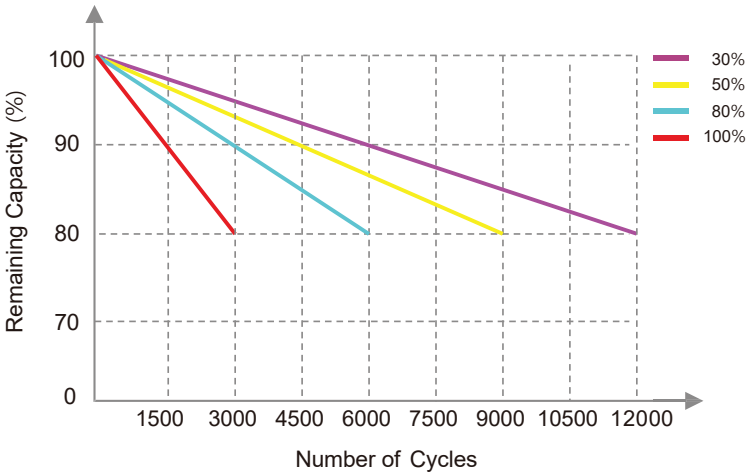
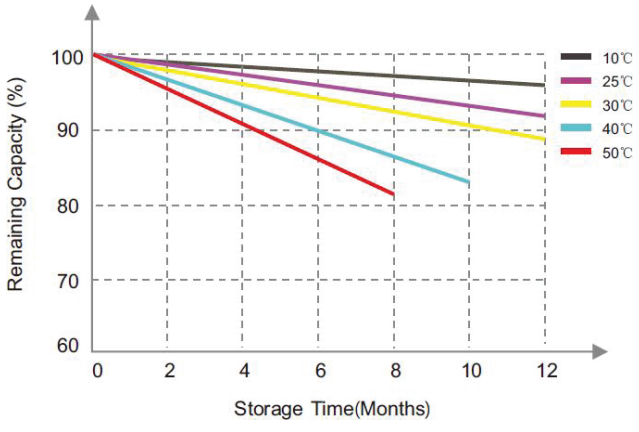
State of Charge Curve (0.5C, 25℃)



Charging Characteristics (0.5C, 25℃)



Different DOD Discharge Cycle Life Curve (0.5C)



Different Temperature Self Discharge Curve