

# LITHIUM BATTERY

## LifePO4

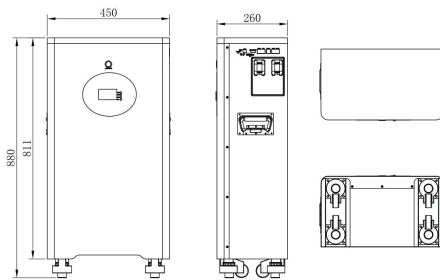
51.2V-280Ah

### 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°C
- **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
- UPS
- Household energy storage system
- Smart transportation backup power supply

### Specification

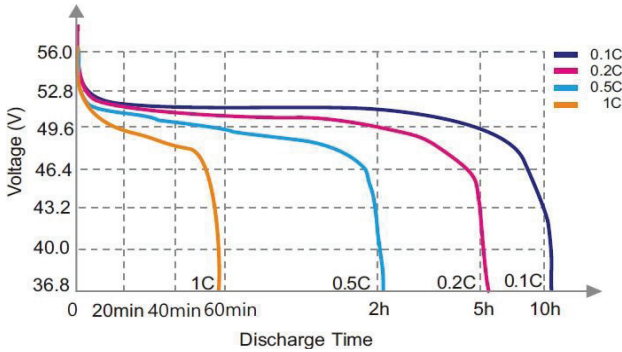
Basic Parameters	Rated Voltage	51.2V
	Rated Capacity	280Ah
	Rated Energy	14336wh
	Combination Method	16S1P
	Cycle Life	≥6000 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Charge	Charge Voltage	57.6V
	Charge Current (Recomm.)	60A
	Charge Current (Max.)	200A
Discharge	Discharge Cut-off Voltage	47.5V
	Discharge Current(Recomm.)	100A
	Pulse Current	220A (3s)
Environment	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
Physical Characteristics	IP Class	IP30
	Case Materia	Metal
	Dimensions ( mm )	880*450*260mm
	Weight ( kg )	118kg
	Others( optional )	WiFi, Bluetooth

# LITHIUM BATTERY

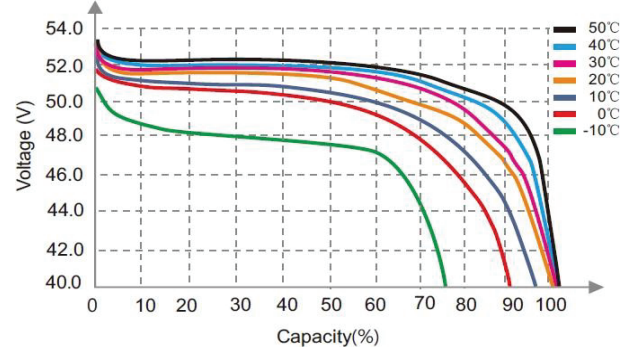
## LifePO4



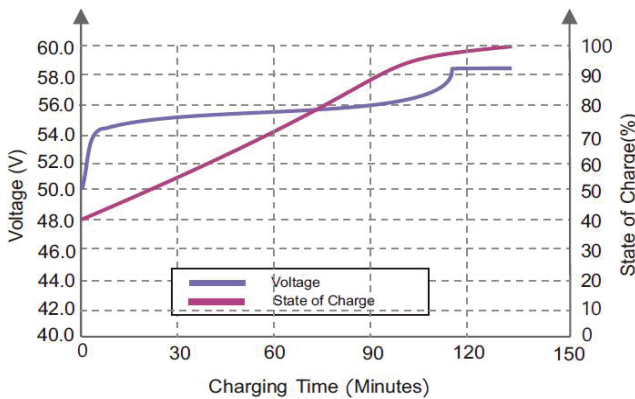
**Different Rate Discharge Curve (25°C)**



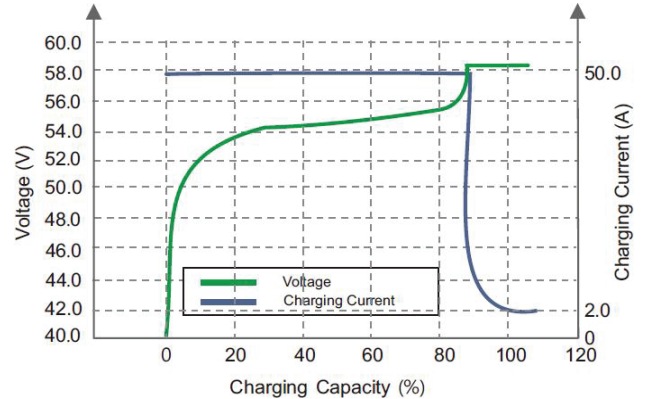
**Different Temperature Discharge Curve (0.5C)**



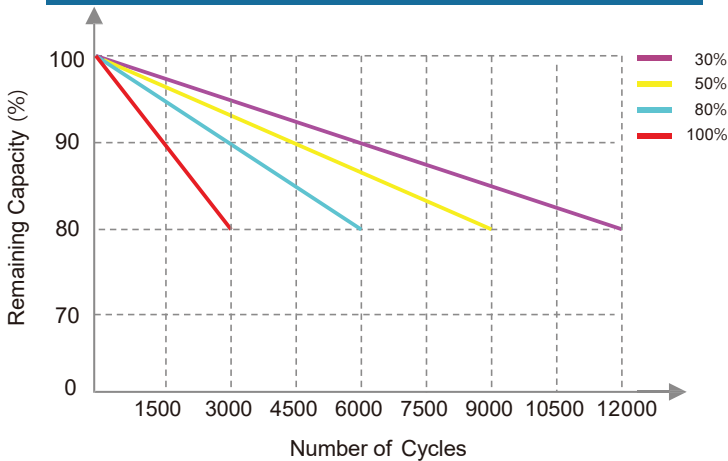
**State of Charge Curve (0.5C, 25°C)**



**Charging Characteristics (0.5C, 25°C)**



**Different DOD Discharge Cycle Life Curve (0.5°C)**



**Different Temperature Self Discharge Curve**

