

Lithium Iron Phosphate(LiFePO4) Battery

WLFP-12.100VR (12.8V 100Ah)



Features Of LiFePO4 Battery

Longer Cycle Life: Offers up to 10 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.

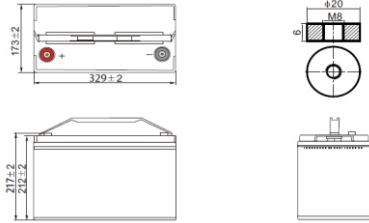
Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range: -20~60°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



Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

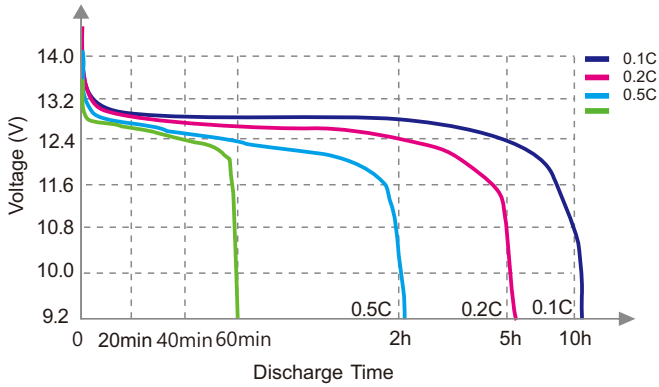
Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	100Ah
	Nominal Energy	1280Wh
	Combination Method	4S
	Cycle Life	≥3000 cycles @80%DOD @35°C
	Months Self Discharge	3% /month
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Standard Charge	Recommended Charging Voltage	14.2V
	Recommended Charging Current	50A
	Max. Charging Voltage	14.4V
	Max. Charging Current	100A
Standard Discharge	Recommended Discharging Current	50A
	Max. Pulse Current	100A
	Discharge Cut-off Voltage	10.0V
Environmental	Charge Temperature	0°C~45°C
	Discharge Temperature	-20°C~60°C
	Storage Temperature	0°C~40°C
Other	IP Class	Ip30
	Plastic Case	ABS
	Dimensions (in. /mm.)	329*173*217mm
	Weight (lbs. /kg.)	11kg
	Peotocol(optional)	Bluetooth, shell color, IP rating

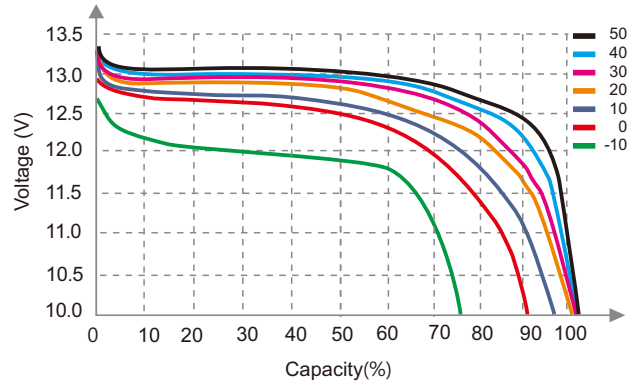
Lithium Iron Phosphate(LiFePO4) Battery WLFP-12.100VR (12.8V 100Ah)



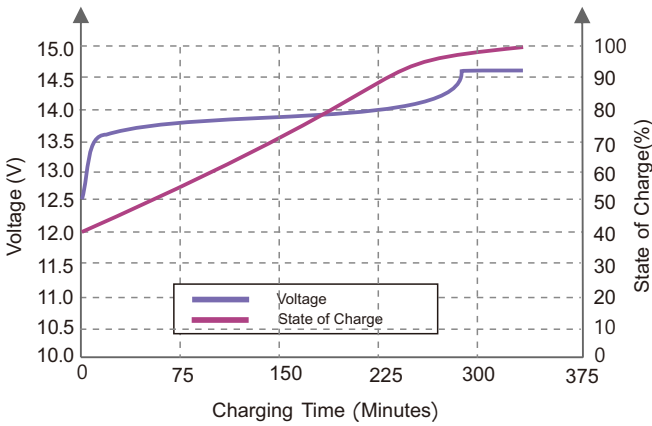
Different Rate Discharge Curve(25°C)



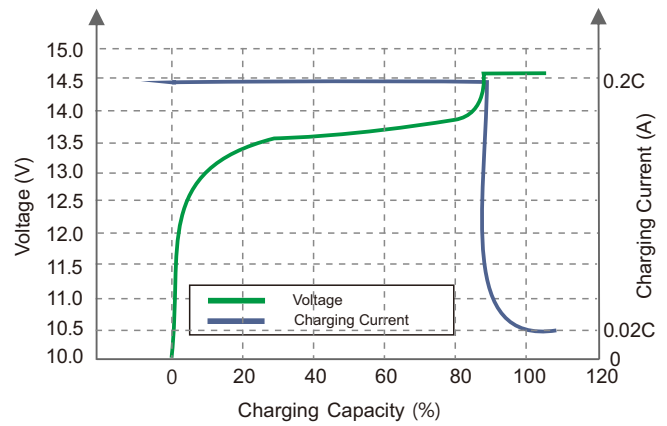
Different Temperature Discharge Curve(0.5C)



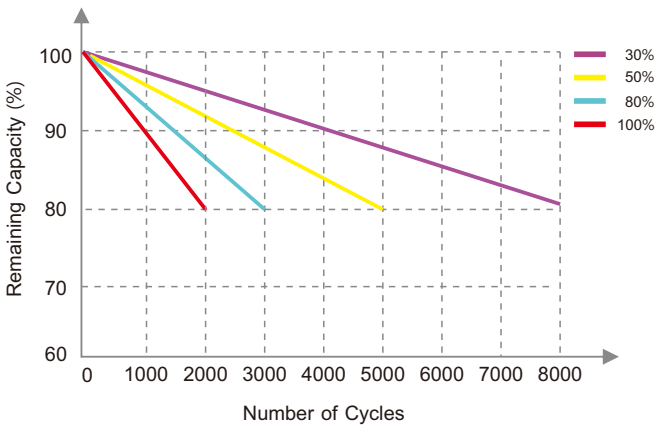
State of Charge Curve(0.2C, 25°C)



Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve

