

**POWER LITHIUM BATTERIES**

**Lithium Iron Phosphate (LiFePO4) Battery**

**LFP12.8V150AH-FT**

**12.8V150AH 1920Wh**

**Features of LiFePO4 Battery**

**Longer Cycle Life**

LiFePO4 batteries would be is five times than SLA batteries on cycle life

**High Power & Light weight**

LiFePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation

**Intelligent management control**

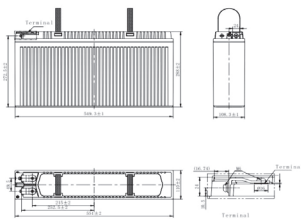
Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition

**Lower Self-discharge rate**

Lower Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries



**Physical Dimension**



**Applications**

- Caravan, RV, camping
- UPS (replacement of SLA batteries)
- Marine, golf cart
- Solar, wind system
- PV ,solar light

<b>Electrical Characteristics</b>	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	150Ah (C5,25°C)
	Energy	1920Wh
	Internal Resistance	≤18 mΩ
	Cycle Life	>2000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
<b>Standard Charge</b>	Efficiency of Discharge	96-99% @1C
	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
	Charger Current	75A
	Max. Charge Current	150A
<b>Standard Discharge</b>	Charge Cut-off Voltage	15.6V±0.2V
	Rated Discharge Current	75A
	Max Discharge Current	150A
	Max. Pulse Current	450A(<3s)
	Discharge Cut-off Voltage	10V
	Charge Temperature	0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
<b>Mechanical</b>	Storage Temperature	0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity
	Water Dust Resistance	IP65
	BMS	4S/4P
	Plastic Case	ABS
	Dimensions (in./mm.)	551*110*288 mm
Weight (lbs./kg.)	16.3kg(35.8lbs)	
Terminal	M8	

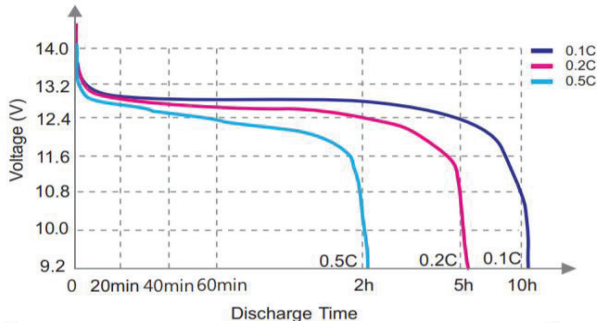
## POWER LITHIUM BATTERIES

### Lithium Iron Phosphate (LiFePO4) Battery

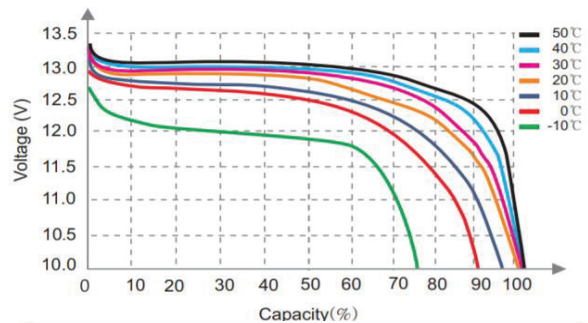
LFP12.8V150AH-FT

12.8V150AH 1920Wh

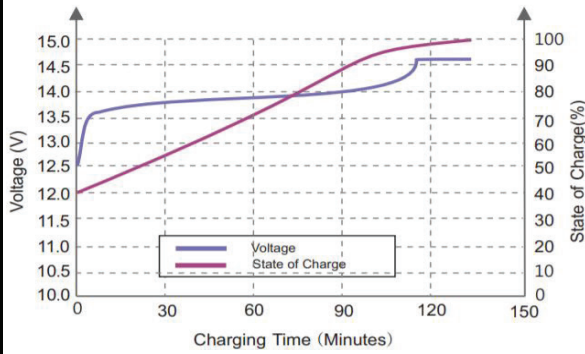
Different Rate Discharge Curve(25°C)



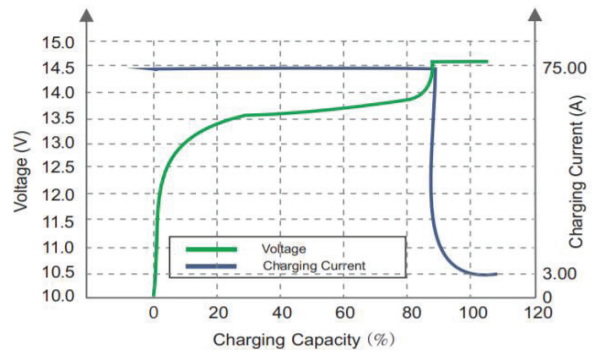
Different Temperature Discharge Curve(0.5C)



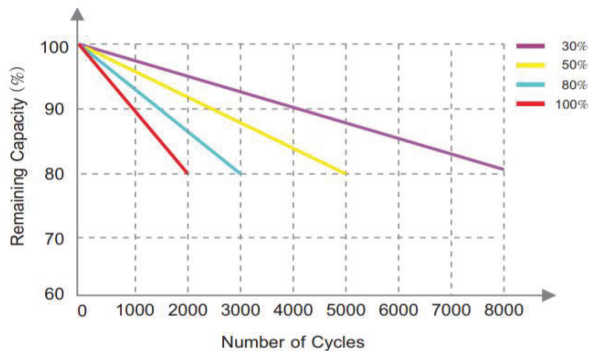
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

