



## Lithium Iron Phosphate (LiFePO4) Battery

**VT12.8-30**

**12.8V30AH 384Wh**

### 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**

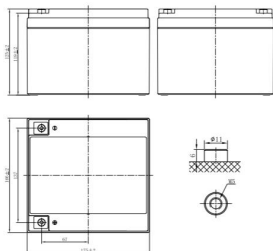
Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition

**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

Electrical Characteristics	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	30Ah (C5,25°C)
	Energy	384Wh
	Internal Resistance	≤50 mΩ
	Cycle Life	>5000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
Standard Charge	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	15A
Standard Discharge	Max. Charge Current	30A
	Charge Cut-off Voltage	15.6V±0.2V
	Rated Discharge Current	15A
	Max Discharge Current	30A
	Max. Pulse Current	90A(<3s)
	Discharge Cut-off Voltage	10V
	Charge Temperature	0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity
Mechanical	Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity
	Water Dust Resistance	IP65
	BMS	4S/4P SMART Bluetooth
	Plastic Case	ABS
Dimensions (in./mm.)	166 x175 x125 mm	
Weight (lbs./kg.)	4.2kg(9.26lbs)	
Terminal	M5	



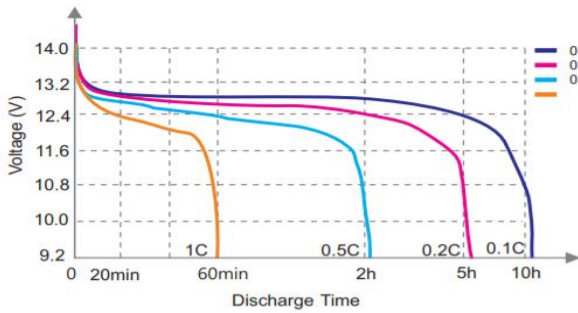
Wuhan Vvution Lithium Power Technology Co.,Ltd

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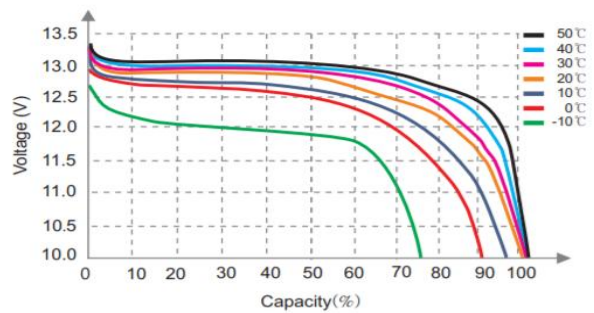
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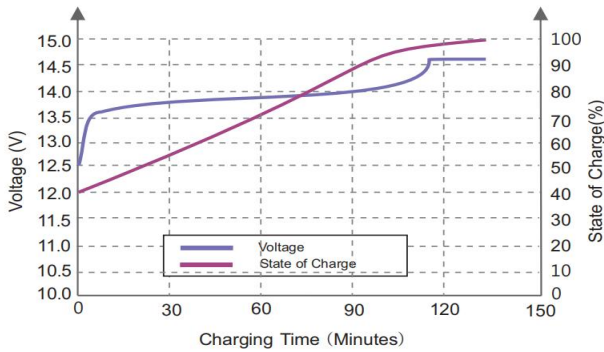
Different Rate Discharge Curve(25°C)



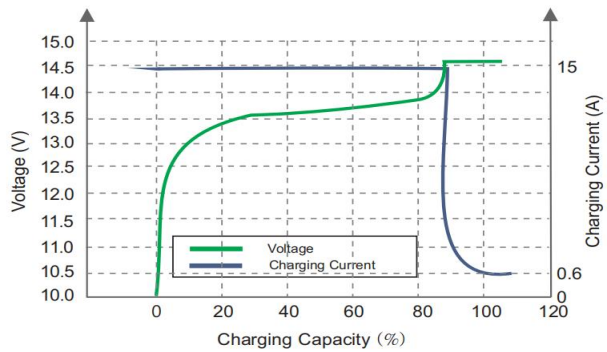
Different Temperature Discharge Curve(0.5C)



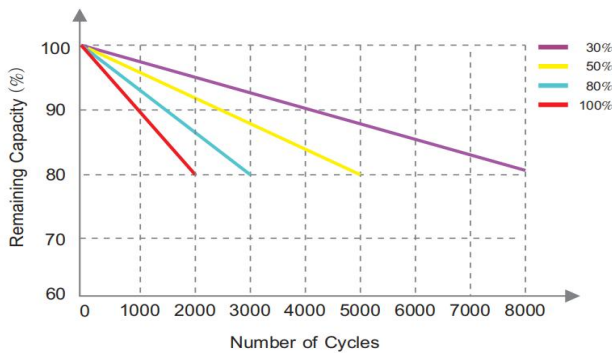
State of Charge Curve(0.5C, 25°C)



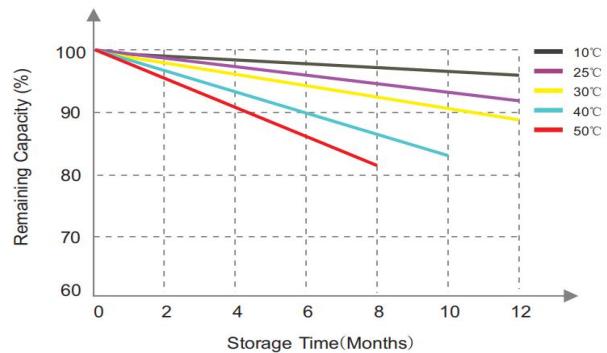
Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve



Contact info

[www.vvutionlithium.com](http://www.vvutionlithium.com)

Wuhan Vvution Lithium Power Technology Co.,Ltd



Tel:+86 27 5952 3598  
Email:sales6@vvutionlithium.com  
Add:24th Floor,Optics Valley Dingchuang International,Optics Valley Rare Eco Industrial Park,Wuhan,Hubei Province,China

Fax:+86 27 5952 3682  
www.vvutionlithium.com  
Add:24th Floor,Optics Valley Dingchuang International,Optics Valley Rare Eco Industrial Park,Wuhan,Hubei Province,China

Vvution International Sales Office

Vvution Factory

Tel:+86 712 8655555  
Email:sales6@vvutionlithium.com  
Add:Huaer Village,Xiannv Street Community,Hanchuan City,Hubei Province,China

Fax:+86 712 8378825  
www.vvutionlithium.com