



## Deep Cycle 12V Lifepo4 Battery 12.8v 100AH Low Temperature Lithium Batteries Manufacturers for solar energy

Our Product Introduction

for more products please visit us on [rechargeable-liionbattery.com](http://rechargeable-liionbattery.com)

### Basic Information

- Place of Origin: Hunan, China
- Brand Name: Pinsheng
- Certification: CE/RoHS/UN38.3/MSDS
- Model Number: PE12100
- Minimum Order Quantity: 2 units
- Price: \$278.00/units 2-49 units
- Packaging Details: UN38.3 CARTON OR WOODEN BOX
- Supply Ability: 5000 Unit/Units per Month

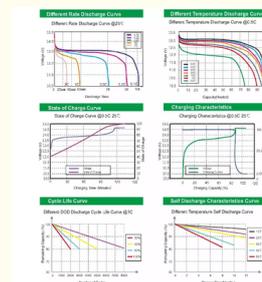


### Product Specification

- Battery Type: Lithium Ion, LiFePO4, Other
- Product Name: 12v Lifepo4 Lithium Battery
- Capacity: 100Ah 200Ah
- Voltage: 12V 12.8V
- Battery Size: Customized Size
- OEM/ODM: Acceptable
- Application: Solar Power Energy Storage
- Key Feature 1: Deep Cycle
- Key Feature 2: Wide Application
- Key Feature 3: Long Lifespan
- Port: Shenzhen Shanghai Ningbo
- Highlight: **Deep Cycle 12V Lithium Batteries, Low Temperature Lithium Batteries, 12.8v 100AH Lithium Batteries**



### More Images



## Product Description

### Product Description



# Detail display



# Product Parameter



# Product Features

## More Cycle Life

With around 3000 times On 80%.DOD

## With Smart BMS and Super Safety Design

With over charge protection, over current protection, over discharge protection, short circuit protection, high and low temperature protection

## Wide range of temperature

Reliable performance in wide rangeservice temperature from -20°C to 60°C

## Support Customization

Support OEM&ODM and customize voltage and capacity



## Excellent Electrical Performance

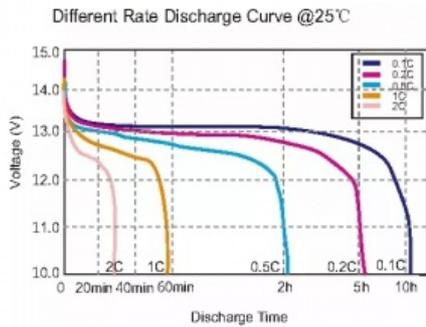
Low internal resistance.good charging/discharging

## Easy use

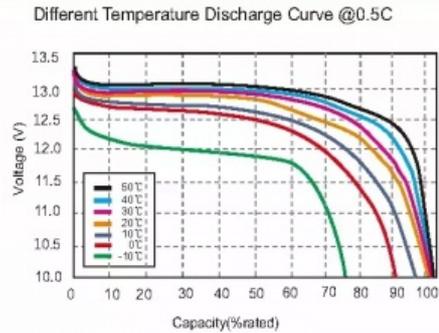
Same size with SLA battery standard model

## Specification

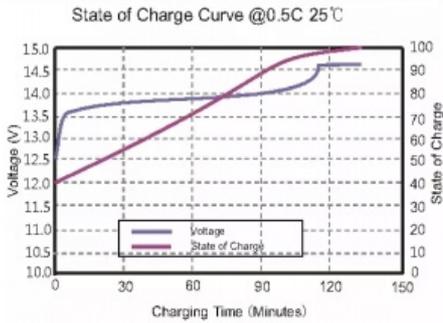
### Different Rate Discharge Curve



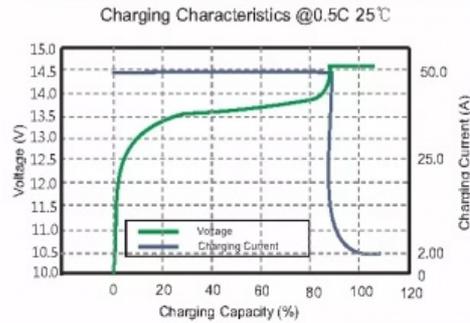
### Different Temperature Discharge Curve



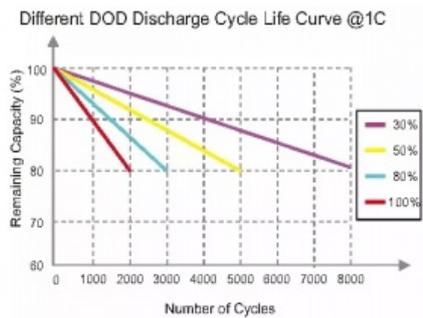
### State of Charge Curve



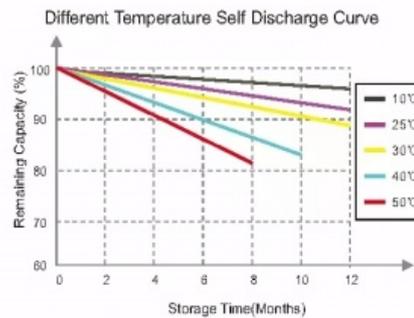
### Charging Characteristics



### Cycle Life Curve



### Self Discharge Characteristics Curve



Items	Parameter
Battery Type	LiFePO4
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1.28KWh
Internal Resistance	≤20mΩ
Series & Parallel Application	up to 4 series 4 parallel connected application
Limited Charge Voltage	14.6±0.2V
Floating Charge Voltage	13.8±0.2V
Charge Method	CC/CV
Discharge Cut-off Voltage	10.0V
Standard Charge Current	60A
Max. Charge Current	80A
Standard Continuous Discharge Current	80A
Max. Continuous Discharge Current (<30min)	100A
Pulse Discharge Current (<3s)	350A
Cycle Life	> 5000 cycles

Dimension (mm)	Length: 323±2 Width: 171±2 Height: 232±2
Weight	12.8±0.2Kg
Charge Temperature Range	0~45°C
Discharge Temperature Range	-20~60°C
Recommended Operating Temperature	15~35°C
Self-Discharge Rate (Residual capacity)	≤3%/month; ≤15%/years
Self-Discharge Rate (Reversible capacity)	≤2%/month; ≤8%/years
Storage Temperature & Humidity Range (Less than 1 month)	-20~35°C, 45~75%RH
Storage Temperature & Humidity Range (Less than 3 months)	-10~35°C, 45~75%RH
Recommended Storage Temperature & Humidity Range	15~35°C, 45~75%RH



## Company Profile

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Hunan Pinsheng Energy Technology Co.,LTD  
Hunan Pinsheng Energy Technology Co.,LTD located in Changsha City, Hunan Province, near to Guangzhou. We focus on developing and producing Lithium battery and battery system integration, through many years development and research, we have formed a complete industry chain from research,

production to sales.

Our lithium battery has the characteristics of longer cycle life, more highersecurity and more reliability, higher energy density and other superior performance.

Our products are widely used in energy storage system such as off grid wind & solar energy storage, telecommunication system, UPS and etc and power system such as electric motorcycles, electric bikes, E-scooter, electric tricycles, golf cart, fork lift,electric vehicles, and etc.

Pinsheng Energy Battery products has a good reputation at home and abroad, we has strict quality guarantee system to ensure high-quality products.We put customers' needs at the first and listen to their suggestions.We continuously improve our product quality and services.

Pinsheng Energy is a competetive manufacturer in China, we are edicated to be a top OEM &ODM lithium battery manufacturer in theworld.



# WE CAN DO IT



## Our advantage :

- ✓ high efficiency development based on our strong team
- ✓ supply goods with lowest price
- ✓ high quality service



## Our promise :

- ✓ professional service for customer , provide correct sample quickly
- ✓ supply high quality standard
- ✓ delivery goods on time

# FAQ

## Q1 Can you give me a discount ?

**A:** We are manufactory , our policy is that bigger quantity , cheaper price , so we will give you discount according to your order quantity

## Q2 The shipping cost is too high , can you give me more cheaper ?

**A:** When we calculate the shipping cost for you . we will use the cheapest and safest courier .and it is shipping company who ask us to pay , we cant gie you cheaper , pls kindly understand But we can promise that we will not ask you to pay more shipping cost , if u think it is too expensive , you can use your own shipping company . it is ok for us .

## Q3 Can you offer free shipping ?

**A:** For we are manufacturer, we have given the cheapest price as we can,and we did not add shipping cost into the products cost , so we cant offer free shipping , pls kindly understand , tks .



**Hunan Pinsheng Energy Technology Co., LTD.**



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