# LiFePO4 Lithium Battery LFP24V200 25.6V 200Ah

## LFP Series Brief Introduce

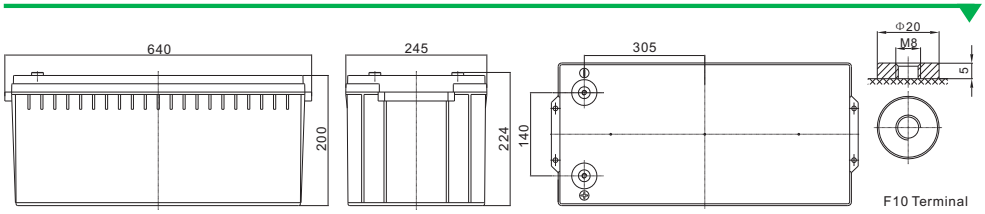
Long Life | Lithium Iron Phosphate | Deep Cycle

LFP Series rechargeable LiFePO4 Battery Pack for Replace VRLA Battery are ideal applications to RVS, solar energy, boats, and power equipment. These lithium batteries offer a safe and lightweight solution, with higher efficiency, longer lifespan, and deep discharge capabilities compared to traditional sealed lead-acid batteries. Designed with advanced LiFePO4 technology, they provide benefits such as temperature protection and superior recharge and discharge efficiency. Just a little higher costs, these batteries are more cost-effective in the long term due to their extended life span. LFP Series LiFePO4 batteries provide a reliable and worry-free energy solution for a range of applications.


## Applications

- Solar Energy Storage System
- Wind Energy Power System
- UPS, Backup Power
- Telecommunication
- Electric Vehicles, Electric Mobility
- Lighting
- Medical Equipment

## Dimensions & Weight




- Length: 640±1mm Width: 245±1mm Height:218±1mm Total Height: 220 ±1mm
- Weight: 36.5+0.1kgs

## Technical Specifications

| | | |
|---|---|---|
| **Electrical Characteristics** | Nominal Voltage | 25.6V |
| | Nominal Capacity | 200Ah |
| | Energy | 5120Wh |
| | Terminal | M8 |
| | Cycle Life | ＞6000cycles @80% DOD |
| | Months Self Discharge | ＜3% |
| | Efficiency of Charge | 100 % @0.2C |
| | Efficiency of Discharge | 96 ~99% @0.5C |
| **Standard Charge** | Charge Voltage | 29.2-30.4V |
| | Charge Mode | 0.2C to 27.2V, then 27.2V, charge current to 0.02C(CC/CV) |
| | Charge Current | 40A |
| | Max. Charge Current | 100A |
| | Charge Cut-off Voltage | 29.2V±0.2 |
| **Standard Discharge** | Continuous Current | 100A |
| | Max continuous discharge current | 100A |
| | Discharge Cut-off Voltage | 20V |
| **Environmental** | Charge Temperature | 0 °Cto 45 °C(32 F to 113 F) @60±25 % Relative Humidity |
| | Discharge Temperature | -20 °Cto 60 °C(-4F to 140 F) @60±25 % Relative Humidity |
| | Storage Temperature | 0 °Cto 40 °C(32 F to 104 F) @60±25 % Relative Humidity |
| | Water Dust Resistance | IP21 (IP65 OPT) |
| **Mechanical** | Cell & Method | Prismatic Cell, 8S2P |
| | Plastic Case | ABS |
| | Dimensions (in./mm.) | 640*245*220mm/25.2*9.65*8.66Ins |
| | Weight (lbs./kg.) | Approx: 36.5kgs/80.46lbs |
| | Gravimetric specific energy | 140.27WH/KG |
| | Bluetooth (optional) | / |
| | LCD display (optional) | / |

**Note:** All above information shall be changed without prior notice, CSSUN reserves the right to explain and update the latest information. Welcome contact CSSUN for the latest information.

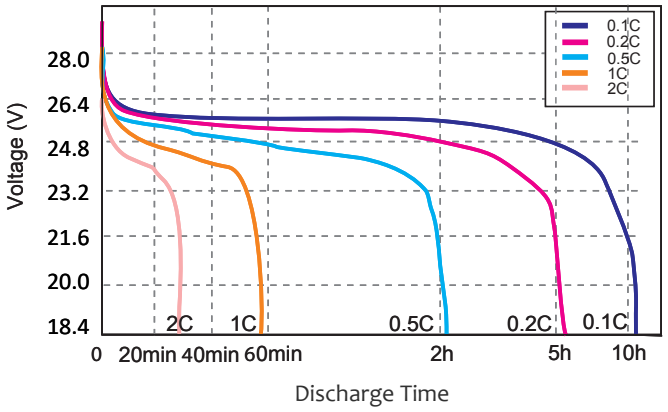
# LiFePO4 Lithium Battery LFP24V200 25.6V 200Ah

## BMS Specifications

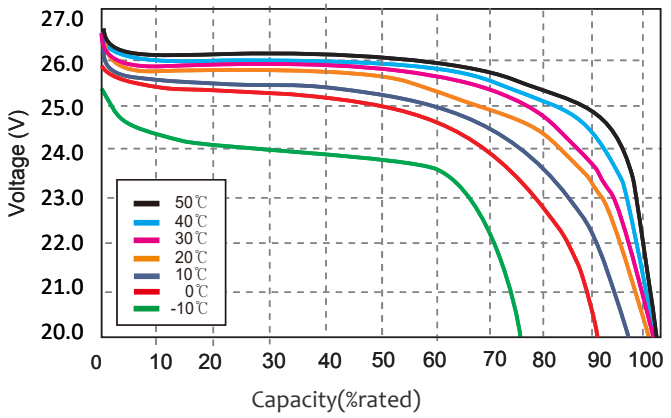
- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Temperature protection
- Cell Voltage balance function
- Short detection function

## Performance Characteristics ( Data test from 8 Series Cell )

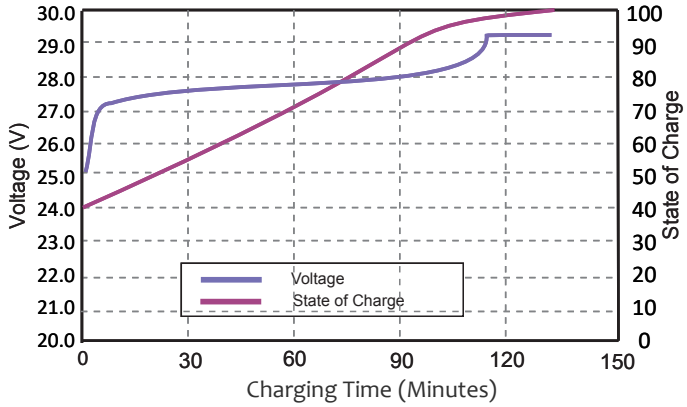
### Different Rate Discharge Curve (25°C)



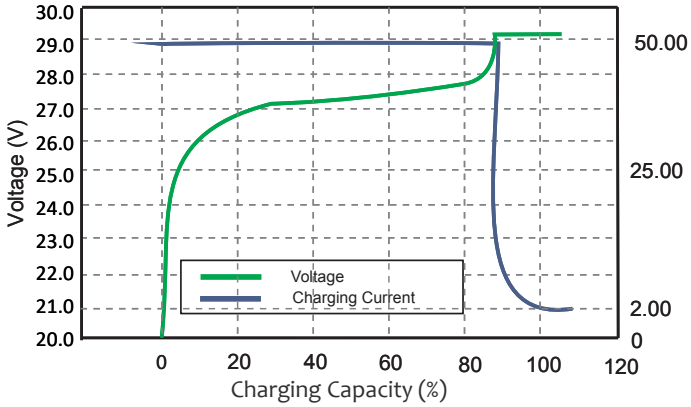

### Different Temperature Discharge Curve At 0.5c



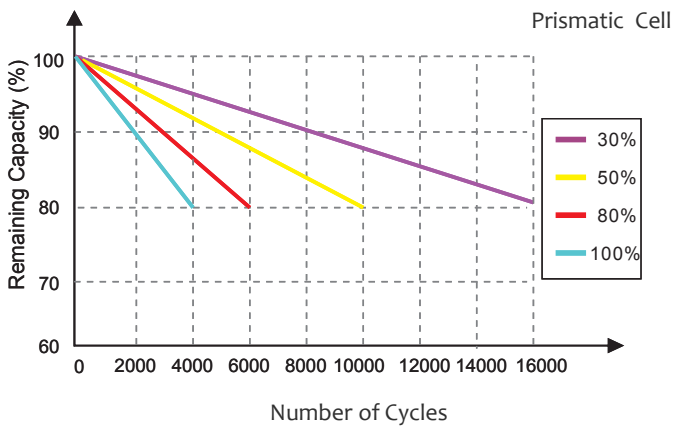

### State Of Charge Curve At 0.5c (25°C)



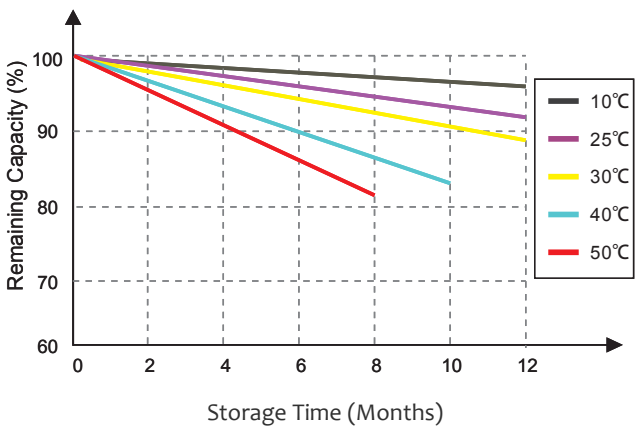

### Charging Characteristics At 0.5c (25°C)




### Cycle Life Curve At 1c According DoD




### Self Discharge Characteristics Curve




**SAFETY WARNING :** Use only within the allowed parameters. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits. Do not use the battery if you suspect it may be faulty or damaged.


Add: Introduction Building, Xingdong Industry Park, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755-29123661 email: sales@cssun.net , support@cssun.net
website: www.cssun.net