

Lifepo4 model 32700

- 1)JOYKOO 32700LiFePO4 cells are mainly used for EV and Solar applications.
- 2)It can be charged at 1C rate, and discharged at 3C,with more than 6000mAh capacity, it is most popular models for cylindrical cells.
- 3)The cells are with blue color, printed with BIS or CE certification, cycle life more than 3000 times.
- 4)The package is 25pcs for a small box, 4 boxes in a big carton, so total 100pcs in a carton.
- 5)The cells have got the certification for UL, CE, ROHS, BIS, MSDS, UN38.3.

The 32700 LiFePO4 battery is a cylindrical lithium-ion battery with a specific size and chemistry that sets it apart. The 32700 designation refers to its dimensions: 32mm in diameter and 70mm in length. This size makes it a versatile option for various applications, offering a balance between energy density and physical footprint. The LiFePO4 component signifies the battery's unique cathode material, lithium iron phosphate. This advanced chemistry is what gives 32700 LiFePO4 batteries their exceptional performance and longevity.

LiFePO4 chemistry offers several advantages over traditional lithium-ion batteries, making it an ideal choice for demanding applications:

To make an informed decision about choosing a 32700 LiFePO4 battery, it's crucial to understand the key parameters that define its performance and capabilities.

Capacity, measured in milliamp-hours (mAh), represents the amount of electrical energy a battery can store. A higher capacity translates to longer run times for your devices and the ability to power more demanding applications. For 32700 LiFePO4 batteries, capacities typically range from 5Ah to 50Ah, offering a wide range of options to suit different needs.

The discharge rate, expressed as a C value, indicates how quickly a battery can deliver power. A higher C-rate means the battery can provide more power in a shorter time. For example, a 1C discharge rate means the battery can deliver its full capacity in one hour. A 2C discharge rate means it can deliver the full capacity in half an hour. 32700 LiFePO4 batteries typically have C-rates ranging from 1C to 5C, depending on the specific battery and its intended application.

Voltage determines the electrical potential of the battery. A 32700 LiFePO4 battery typically has a nominal voltage of 3.2V. This voltage is compatible with a wide range of devices and applications, making it a



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versatile choice.

Internal resistance is a measure of how much resistance the battery offers to the flow of current. Lower internal resistance translates to more efficient power transfer and less energy loss. 32700 LiFePO₄ batteries generally have low internal resistance, enhancing their efficiency and minimizing heat generation.

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