GOODS CONTAINERS

Lithium iron phosphate battery pack capacity standard

Overview

What is a lithium iron phosphate battery?

Lithium Iron Phosphate batteries first appeared in the early 2000’s and are increasingly used in robotics and energy storage. Lithium Iron Phosphate (LiFePO4) batteries have a nominal voltage of 3.2V and are an excellent solution for applications requiring a lightweight, high capacity battery with a long lifespan and stability at high temperatures.

Are lithium iron phosphate batteries safe?

In the initial development stage of EVs, lithium iron phosphate batteries are favored by automobile manufacturers and consumers due to their extremely high safety performance and high energy density. However, the energy density of lithium iron phosphate batteries has not been able to meet the requirements of the policy system.

What are the advantages of lithium iron phosphate battery?

Lithium iron phosphate batteries offer several advantages: Good cycle life, reaching over 2000 times. They also have good high temperature performance, working between -20℃ to 70℃. Additionally, they have higher capacity under the same conditions and support fast charging at 1C-5C, significantly reducing charging time.

What is lithium iron phosphate (LiFePO4)?

Lithium Iron Phosphate (LiFePO4) batteries have a nominal voltage of 3.2V and are an excellent solution for applications requiring a lightweight, high capacity battery with a long lifespan and stability at high temperatures. Lithium Iron Phosphate is based on Lithium-Ion chemistry.

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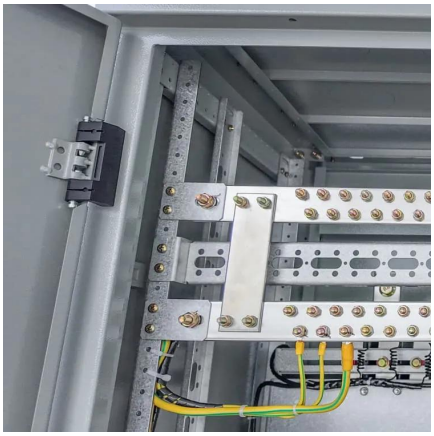

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