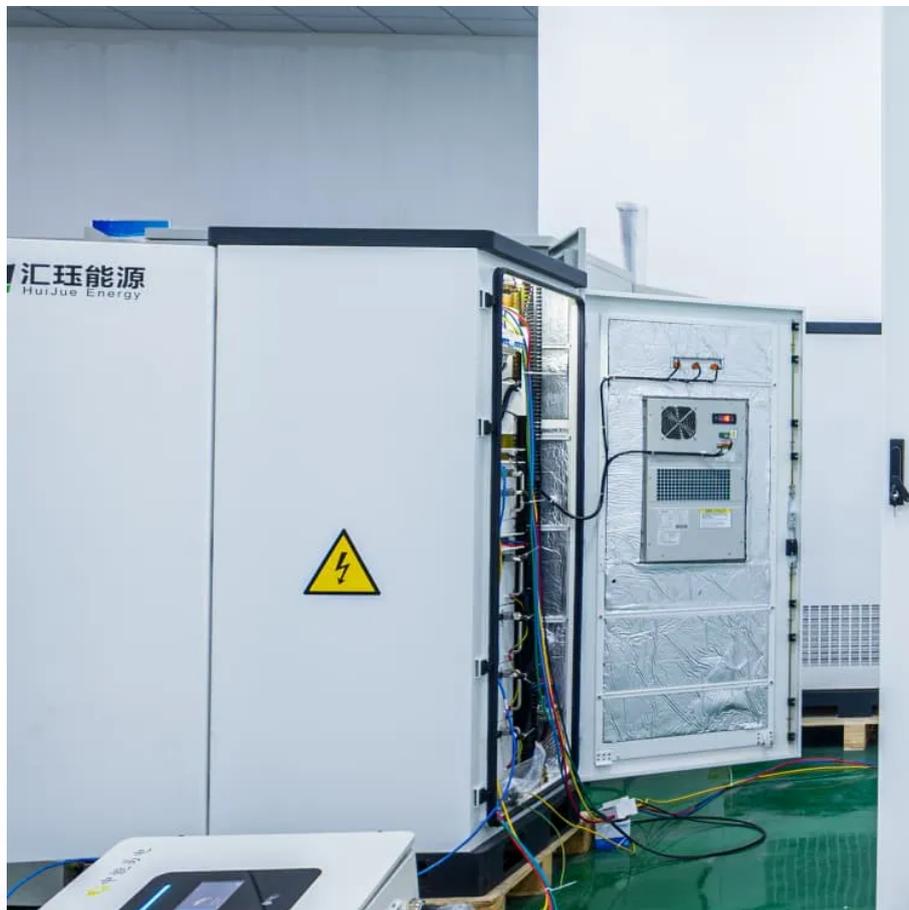


4680 solar container lithium battery Cylindrical





Overview

What is a 4680 battery?

The 4680 battery is a new kind of cylindrical lithium-ion battery that is designed to power electric vehicles. It gets its name from its dimensions—46 millimeters in diameter and 80 millimeters in height. This larger size allows it to store more energy and handle more heat, making it ideal for high-performance applications.

Why is a 4680 battery better than other batteries?

- Higher energy density: This means that the 4680 battery can store more energy per unit volume or weight than other batteries. This results in longer driving ranges and lower battery weights for electric vehicles.
- Higher power density: This means that the 4680 battery can deliver more power per unit volume or weight than other batteries.

What is the power capacity of a 4680 cell?

At 100% SoC, the power capability of the 4680 all-tab cell is 543.7 W (corresponding to 6.7C), while the power capability of the 2170 single-tab cell, i.e., the LG M50T cell, is 78.4 W (corresponding to 5.2C). The power capability of the 4680 all-tab cell is 6.9 times that of the 2170 single-tab cell, i.e. the LG M50T cell.

What are the specifications of a 4680 Li-ion battery?

The 4680 battery specification includes its properties like the voltage, capacity, charge-discharge cycle, output current, output voltage, and so on. This is a generalized specs of 4680 Li-ion battery, only properties marked with the remark of “Standard” are common to all 4680 batteries else not.



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