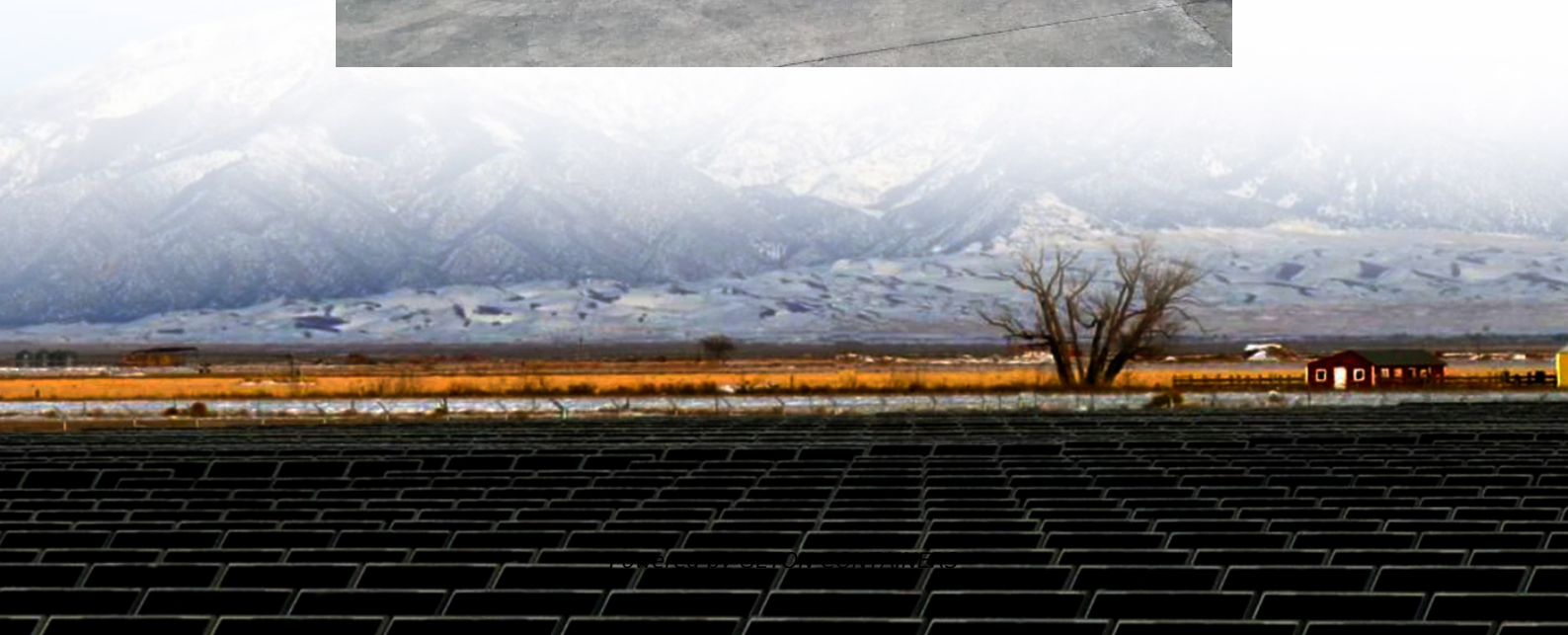


Solar container lithium battery cell 21700





Overview

What is a 21700 battery?

The 21700 battery is a cylindrical lithium-ion battery with a diameter of 21mm and a length of 70mm. It offers a nominal voltage of 3.7V and a capacity of up to 5,000mAh, making it a powerful and efficient energy source. Its energy density ranges between 250 Wh/kg and 300 Wh/kg, depending on the chemistry.

What is an unprotected 21700 battery?

Unprotected 21700 Batteries: Designed for battery packs or high-performance applications where external battery management systems (BMS) handle protection. 21700 batteries are becoming the industry standard for devices requiring longer runtime and more power. Some common applications include:.

What is the energy density of a 21700 battery?

Depending on the specific chemistry, such as NMC or LCO, the energy density of the 21700 ranges from 250 Wh/kg to 300 Wh/kg. This makes it a preferred choice for applications requiring compact yet powerful energy storage solutions. For example: NMC Lithium battery: Energy density of 160–270 Wh/kg, cycle life of 1,000–2,000 cycles.

How much power does a 21700 mAh battery hold?

You don't really notice the size increase, but you definitely feel the performance upgrade. At its core, a single 21700 cell usually holds 4000–5000 mAh with a nominal voltage of 3.6–3.7 V. Fully charged, it hits 4.2 V, and cutoff usually happens around 3.0 V.



Solar container lithium battery cell 21700



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The 21700 cylindrical lithium-ion battery, named for its 21mm diameter and 70mm length, has emerged as a dominant force in modern power solutions. This article delves into the characteristics, applications, and assembly of ...

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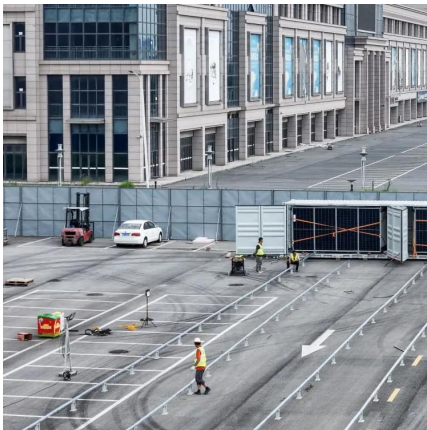
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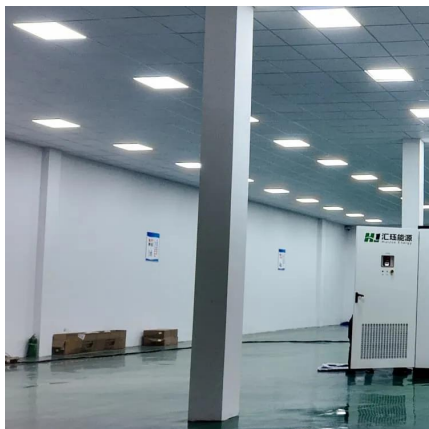




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