

# **Lithium-ion solar container battery magnetic pump**





## Overview

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Can magnetic drive pumps handle lithium ion batteries?

Whether its safety, durability, maintenance, or energy efficiency, there is enough evidence and a proven track record from the world's leading electric vehicle manufacturers that sealless magnetic drive pumps can effectively handle the harsh chemicals that are needed to manufacture lithium ion batteries.

What role do pumps play in battery manufacturing?

Pumps also play a key role during the mixing process of electrolytes in battery manufacturing. The electrolytes, such as lithium salts in a liquid or polymer form, must be accurately metered and homogeneously mixed to ensure consistent and effective battery performance when manufacturing lithium-ion batteries.

What are the components of a lithium ion battery?

The key components in a lithium-ion battery include: The cathode, which stores lithium and releases ions when the battery is charging. The anode, which stores lithium and releases ions when the battery is discharging. A separator, which provides a barrier between the cathode and anode.

Are sealless magnetic-drive pumps energy efficient?

Sealless magnetic-drive pumps boast energy efficiency, but some pumps reduce energy costs even further, with features like carbon-filled ETFE lined rear casings, which minimize heat generation through zero hysteresis losses during operation. Today, more than 7 million electric vehicles travel the world's roads each day.



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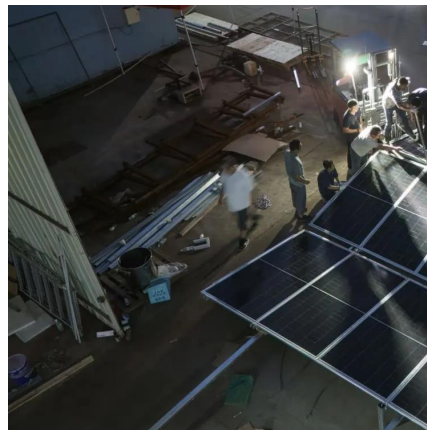
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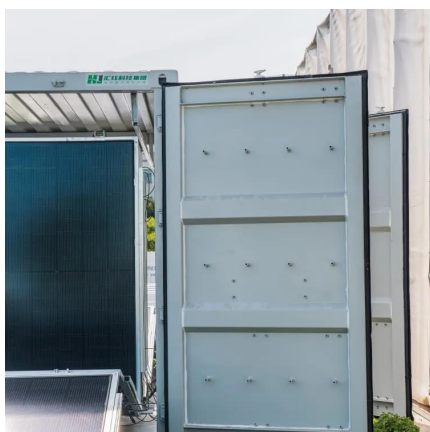


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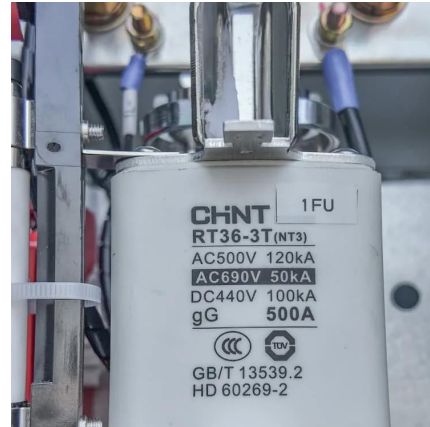
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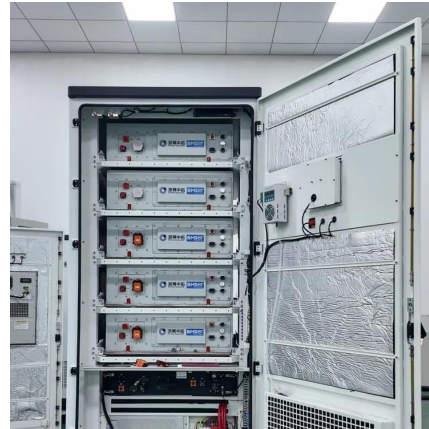




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