

# Sodium-ion battery energy storage benefits





## Overview

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What are the benefits of sodium ion batteries?

Another benefit of sodium-ion batteries is their reduced environmental impact. The production and disposal of lithium-ion batteries can have negative environmental consequences due to the extraction and processing of lithium. In contrast, sodium-ion batteries offer a more sustainable alternative, with fewer environmental concerns. 4.

Are sodium-ion batteries the future of energy storage & electric mobility?

In the ever-evolving landscape of battery technology, sodium-ion batteries have quietly been making strides, poised to transform the future of energy storage and electric mobility. Here is an examination of the benefits and potential of sodium-ion batteries as an important step toward more sustainable and cost-efficient energy solutions.

Can sodium-ion batteries be used for energy storage?

Sodium technology therefore benefits from all the economies of scale and knowledge from lithium (retrofitting an existing lithium plant to sodium-ion technology could require only 10 % additional capital expenditure). Research suggests that sodium-ion batteries will be able to meet the growing demands for energy storage in a sustainable way.

Will sodium ion batteries be the future of storage?

According to BloombergNEF, by 2030, sodium-ion batteries could account for 23% of the stationary storage market, which would translate into more than 50 GWh. But that forecast could be exceeded if technology improvements accelerate and manufacturing advances are made using similar or the same equipment as for lithium batteries.



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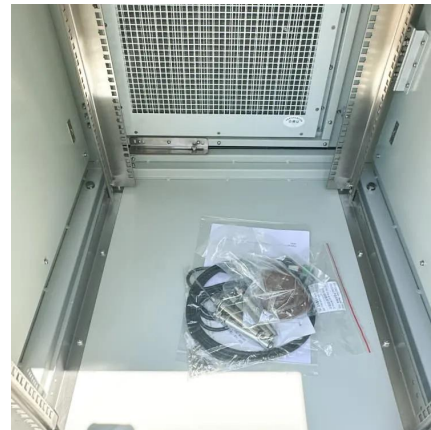


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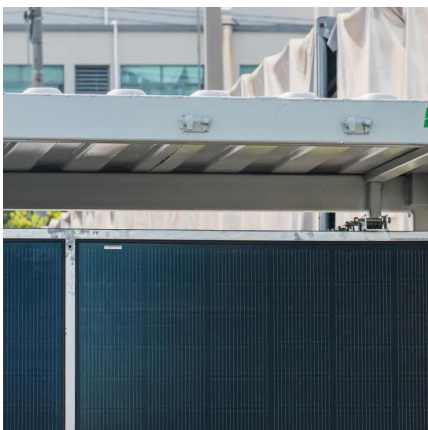
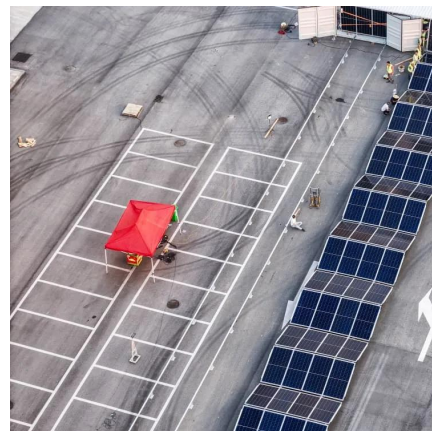


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