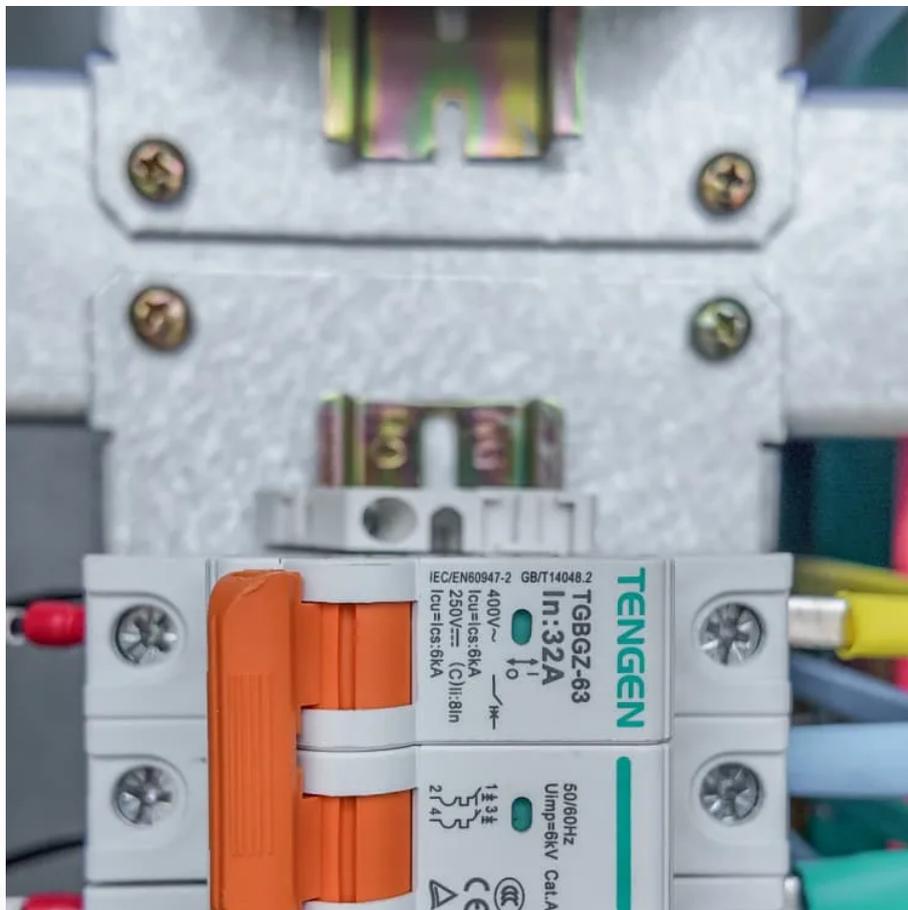


Reuse of inefficient energy storage batteries





Overview

Can energy storage batteries be recycled?

In addition, we evaluate the highly promising new generation of future energy storage batteries from multiple dimensions and propose possible recycling technologies based on the current state of lithium-ion battery recycling and recycling theory.

Can battery research help create a more circular and cost-effective energy storage industry?

New research in this area could prove invaluable in creating a more circular and cost-effective energy storage industry. As battery research and the battery industry continue to evolve and grow, battery recycling research and industry must also change and expand.

How many years left to redesign lithium-ion batteries?

“Ten Years Left to Redesign Lithium-ion Batteries.” *Nature* 559: 467-470. US Energy Storage Association 2020. End-of-Life Management of Lithium-ion Energy Storage Systems. US Department of Energy, Office of Energy Efficiency and Renewable Energy; ReCell Industry Day at ANL. November 2019 (Power Point presentation).

What factors affect battery recycling capacity?

Battery recycling capacity includes factors such as transportation, sorting, disassembly, and preprocessing of EOL batteries. Only after these factors are addressed can one consider battery recycling processes. The cost of battery recycling is highly dependent on which battery recycling method and process is used.



Reuse of inefficient energy storage batteries



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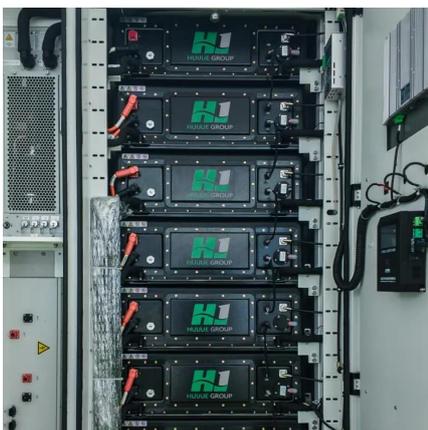
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