

# Pack lithium batteries and cascade battery utilization

This paper discusses the latest research results in the field of power battery recycling and cascade utilization, and makes a comprehensive analysis from four key dimensions: technical methods, ...

As these batteries reach the end of their life cycle, efficiently utilizing their residual value has become a key issue that needs to be resolved. This paper reviews the key issues in the...

Power battery recycling and cascade utilization are emerging as critical strategies to extend battery life, recover valuable materials, and reduce environmental impact.

Due to their valuable resources and potential environmental risks, managing spent LIBs has become a key focus. This review offers a thorough assessment of current end-of-life ...

This paper reviews the key issues in the cascade utilization process of retired lithium batteries at the present stage. It focuses on the development status and existing challenges of ...

Finally, the problems and challenges faced by the cascade utilization of spent power batteries are discussed, as well as the future development prospects.

In this article, an active equalization method for cascade utilization lithium battery pack with online measurement of electrochemical impedance spectroscopy is proposed to actively ...

This paper systematically reviews the research progress in the field of power battery recycling and cascade utilization, and analyzes it from four dimensions: technical path, economic model, policy ...

**Abstract** This study explores the influence of cascade utilization and Extended Producer Responsibility (EPR) regulation on the closed-loop supply chain of power batteries.



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