



How to calculate the cascade utilization of new energy battery cabinets



Overview

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, economic models, policy impacts, and environmental benefits. This study explores the influence of cascade utilization and Extended Producer Responsibility (EPR) regulation on the closed-loop supply chain of power batteries. Three pricing decision models are established under the recycling model of the battery closed-loop supply chain are established in this. A life-cycle assessment (LCA) model and a life-cycle cost (LCC) model for the cascade utilization of a power battery system are developed. In terms of technical paths, battery sorting technology based on. Priority date (The priority date is an assumption and is not a legal conclusion. Google has not performed a legal analysis and makes no representation as to the accuracy of the date listed.



Article Content

Comprehensive benefit analysis on the cascade utilization of a power ...

Making quantitative analyses on the social and economic benefits of the cascade utilization of power battery energy storage systems is of great significance for comprehensive utilization of resources ...

Battery cascade utilization test solution

Bette's test equipment can provide a total solution for the cascade utilization of batteries, such as residual energy detection, battery sorting, battery reorganization, battery management, operation and ...

Dynamic Strategy of Power Battery Closed-Loop Supply

Power battery recycling has become a hot topic in the extension of new energy vehicle industry, and cascade utilization of power battery has become an important measure to improve the...

Cascade utilization strategies of power battery of new energy vehicle ...

This paper focuses on echelon utilization scenarios of power batteries by constructing a closed-loop supply chain model consisting of power battery manufacturers, new energy vehicle manufacturers, ...

Key technologies for retired power battery recovery and ...

The study discusses the battery recycling mode, aging principle, detection, screening, capacity configuration, control principle, battery management system, ...

Decisions for power battery closed-loop supply chain: cascade ...

Based on an estimated residual capacity of 70–80% when retired from new energy vehicle power modules, potential application areas for cascade utilization include power sources for ...

Dynamic Strategy of Power Battery Closed-Loop Supply ...

Abstract: Considering the effective utilization of power battery, the cascade utilization was introduced power battery closed-loop supply chain, the system decision-making problem of the power battery ...

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Whole-life cycle cost estimation method for cascade utilization of power battery
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Technical-economic analysis for cascade utilization of spent power ...

- The basic technology and key technology of cascade utilization for spent power batteries are discussed.
- The problems and challenges faced by the cascade utilization of spent power ...

A Review of Research on Power Battery Recycling and Cascade ...

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, ...

Contact Us

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