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Title: How to calculate the cascade utilization of new energy battery

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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...

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By 2025, the cumulative decommissioning of power batteries in China is expected to reach about 780,000 tons. Improper battery recycling may cause secondary pollution and should be ...

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

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, ...

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, ...

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 ...

Considering the influence of uncertain interference factors, the dynamic equilibrium strategy of power battery closed-loop supply chain members composed of leading manufacturer, ...

How do different measures affect the process of cascading the utilization of power batteries? Which measures will help incentivize cascading utilization and battery recycling efforts?

Under the scenario of government subsidizing cascade utilization enterprise and manufacturer sharing the

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innovation cost of cascade utilization, this paper (1) constructs a differential game model of the ...

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