

# Base station power supply model for cascade utilization

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An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters. And ...

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

An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters. And through this, a multi-faceted ...

Game theory was employed to construct a decision-making model for the closed-loop supply chain of power batteries based on the EPR system and cascade utilization.

Spent power batteries need to pass a series of tests and assessments before entering the medium and large energy storage power stations to participate in the cascade ...

**Abstract:** With the development and popularization of electric vehicles, the number of decommissioned power batteries increases progressively year after year, urgently requiring ...

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 ...

This study employs a cascade utilization model for retired batteries, aimed at maximizing the residual value of retired batteries and exploring their reuse potential across ...

The cascade battery is used for gradually replacing stock lead-acid batteries, so that the resources are fully

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utilized, the lead-acid batteries are gradually eliminated, and the resource ...

This paper demonstrates the feasibility of applying retired electric vehicle batteries to the backup power supply system of tower base stations, and designs the

The current research on the closed-loop supply chain of power batteries considering the cascade utilization mainly focuses on the economic analysis of cascade utilization, the design of...

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