

Cooperation in power storage batteries





Overview

Can a power battery supplier cooperate with a new energy vehicle manufacturer?

Considering the supply chain composed of a power battery supplier and a new energy vehicle manufacturer, under the carbon cap-and-trade policy, this paper studies the different cooperation modes between the manufacturer and the supplier as well as their strategies for green technology and power battery production.

Do state-owned energy institutions and universities play a role in lithium battery energy storage?

However, it can be found that in the development mode of lithium battery energy storage cooperation in China, the status of state-owned energy institutions and universities in the cooperation network shows a fluctuating trend, and they do not take an absolute leading position in the field of lithium battery energy storage.

How many energy storage fields are involved in cooperation?

With the development of lithium battery energy storage technology and the increase of core network member institutions (5→25→41), the number of energy storage fields involved in cooperation is gradually increasing (9→11→16). H01M is the knowledge area that is most involved in each cycle of cooperation.

How do manufacturers and suppliers cooperate in power batteries?

According to the different ways of cooperation between manufacturers and suppliers about power batteries, we constructed the game models under three strategies: wholesale purchase, patent-licensed manufacturing, and self-research + wholesale purchase, and solved them by applying Stackelberg's game theory and the asymmetric Nash game theory.



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