

Interpretation of the new energy battery discount policy

What is a new energy vehicle policy?

Policies covering the sales stage placed maximum emphasis on new energy vehicle subsidies while focusing on the demonstration role of public institution procurement. In the use stage, the most important topic was the construction of charging infrastructure and the environment of new energy vehicles.

Why are Power Battery policies so complicated?

Because of their large number, policies for the power battery industry have become complicated. If policy elements are not reasonably designed and configured, certain negative effects might hamper the development of the power battery industry, leading to missed opportunities to guide and regulate the industry.

Does dual credit policy affect battery recycling?

The results show that the dual-credit scheme enables the expansion of the volume of NEV market and elimination of outdated technologies with lower driving mileage, and allows all automakers to achieve their targets in a market efficient manner. but these studies have not concerned the battery recycling issue under dual credit policy. 2.2.

Should power battery policy be diversified?

When the government formulates policies, the topic of a single policy should be concise and clear, and those of different policies should be varied so that the topics of power battery policy can be diversified. In addition, redundant policies should be deleted to maintain the authority of policies.

How do government policy tools affect the power battery industry?

The government prefers to use environment-side and supply-side policy tools to plan the development of the power battery industry, while demand-side policy tools have a certain traction effect on expanding market demand and improving market mechanisms.

What if Nev and FV manufacturers fail to solve battery recycling problem?

It indicates that if the NEV and FV manufacturer fail to solve the problem of battery recycling, they will suffer a fatal blow. In general, although the subsidy policy can expand the market demand better than dual credit policy, it distorts market mechanism and cannot reflect the real demand of the vehicle market.

China is the largest EV market in the world and accounted for about half of the global electric car stock as of 2021 (International Energy Agency, 2022). While central EV purchase subsidies for urban passenger electric vehicles were cancelled at the end of 2022, China's government still plans to use purchase subsidies to spur the adoption of hydrogen ...

Policies aim at the consumption and supply of new energy vehicles and the R & D of energy technologies

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such as lithium batteries can have related impact. Its positive role is to...

Recognizing the critical significance of batteries, and with the aim of establishing clear guidelines for all stakeholders while preventing potential problems like discrimination and trade obstacles within the battery market, the European Commission introduced a proposal for a battery regulation in 2020.

This study extended the causal inference regarding the impact of the New Energy Demonstration City (NEDC) policy on energy efficiency. The effect of the NEDC policy on energy efficiency was assessed by integrating the Super Efficiency Epsilon-Based Measure (SE-EBM) model and the Propensity Score Matching Difference-in-Differences (PSM-DID) method, ...

Policy brief - Impact of monetary incentives and solar PV on the adoption of battery electric vehicles must pay to use the vehicle: this discount can be a percentage reduction on the base rate or a fixed amount reduction.

In response, the new European Union Batteries Regulation (EUBR) was officially adopted in August 2023. It integrates due diligence requirements in human rights, environmental protection, and the circular economy. The EUBR has marked a significant shift towards lifecycle management, covering everything from raw material sourcing to end-of-life battery recycling ...

A certain change in material cost will change the market's competitiveness from new batteries to remanufactured batteries. Therefore, using recycled materials offers a reasonable price when material supply sources experience shortages or scarcity. Moreover, the government plays a leading role in balancing new and remanufactured EVBs to ...

This paper investigates the issue of the impacts of subsidy policy and dual credit policy on new energy vehicle and fuel vehicle production decision considering battery recycling, in a competitive environment, where the market demand is determined by heterogeneous consumers' utility. Due to that the market size of new energy vehicles is swiftly ...

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