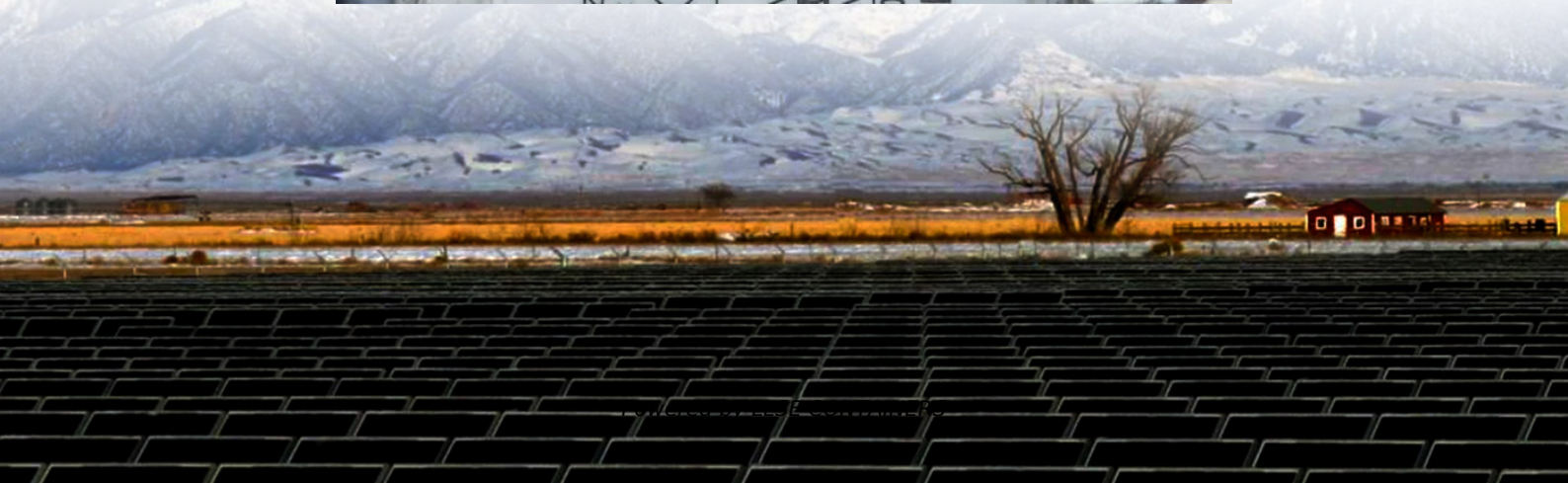


High-efficiency investment discount for energy storage containers





Overview

Energy storage technology is one of the critical supporting technologies to achieve carbon neutrality target. However, the investment in energy storage technology in China faces policy and other uncer.

Does China invest in energy storage technology?

Overall, this study is a further addition to the research system of investment in energy storage, which compensates for the deficiencies in existing studies. The Chinese government has implemented various policies to promote the investment and development of energy storage technology.

How to promote energy storage technology investment?

Therefore, increasing the technology innovation level, as indicated by unit benefit coefficient, can promote energy storage technology investment. On the other hand, reducing the unit investment cost can mainly increase the investment opportunity value.

What is the value of energy storage technology?

Specifically, with an expected growth rate of 0, when the volatility rises from 0.1 to 0.2, the critical value of the investment in energy storage technology rises from 0.0757 USD/kWh to 0.1019 USD/kWh, which is more pronounced. In addition, the value of the investment option also rises from 72.8 USD to 147.7 USD, which is also more apparent.

What is the investment opportunity value of the second energy storage technology?

The investment opportunity value of the second energy storage technology is $F_{1,2}(P)$. In State 2, the firm operates the second technology, which is adopted at time τ_2 , and the expected value of this energy storage technology is $\Phi_2(P)$. Fig. 1. Single investment strategy under the deterministic policy. Fig. 2.



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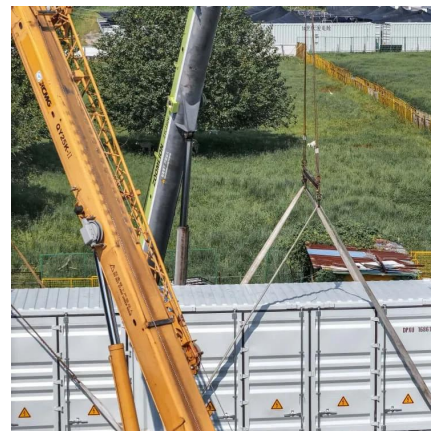
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