

Do government photovoltaic subsidies affect enterprise independent innovation in China?

Achieving a green, low-carbon economy necessitates clarifying the impacts of government photovoltaic (PV) subsidies on enterprise independent innovation in China. This study constructs a tripartite evolutionary game model among government, enterprises, and energy regulatory service centers (ERSC).

How has China's PV industry evolved in 2015?

In 2015, the growth of the global PV power generation was mainly concentrated in emerging markets like China, the United States and Japan. Therefore, it is important to study the evolution of China's PV industry, especially the leading PV enterprises to ensure their healthy development in China's PV market. Fig. 1. Global PV installed capacity.

Do government subsidies promote Enterprise Innovation in the PV industry?

The purpose of this research is to explore the impacts of government subsidies on promoting enterprise innovation in the PV industry in pursuit of renewable energy goals. Theoretical analysis show that government subsidies paly an essential role in promoting enterprises innovation.

Does R&D intensity capture innovation in PV Enterprises?

novation of PV enterprises. As R&D intensity captures the innovation in PV enterprises. In prior literatures [43,49],the R&D investment to the total sales revenue. Considering the intensity. by the government to support PV enterprises. Since en- innovation decisions. Here,GSs are divided into R&D subsidies and non-R&D subsidies.

How will the PV industry evolve in the future?

As the cost of PV power generation continues to decline and the PV industry enters the stage of grid parity,the development of the future PV industry will shift from cost control to higher PV conversion rates. Enterprises should strengthen independent innovation technology and break through the bottleneck of solar battery manufacturing technology.

Can innovation reduce the expected income of PV Enterprises?

And the achievements of innovation are easy to be imitated,resulting in the phenomenon of "hitchhiking" and thereby reducing the expected income of PV enterprises.

Integrating solar power has become increasingly crucial for modern enterprises. The adoption of solar energy not only helps reduce greenhouse gas emissions and mitigates the impact of ...

In 2013, for the first time, the global solar photovoltaic (PV) power generation capacity exceeded that of wind power (Li et al., 2015). ... discount price  $P_0 = 90$ , production ...



Bangkok, Thailand, October 29, 2024 - TotalEnergies ENEOS has successfully completed the installation of a 1.8 megawatt-peak (MWp) floating solar photovoltaic (PV) system project in ...

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