

Precision poverty alleviation through wind and photovoltaic power generation

What is photovoltaic poverty alleviation?

The photovoltaic poverty alleviation project, part of the "Ten Major Precise Poverty Alleviation Projects" implemented by the Poverty Alleviation Office of the State Council, significantly contributes to eradicating poverty and rural revitalization.

Can solar photovoltaic projects improve poverty alleviation in China?

We propose several policy recommendations to sustain progress in China's efforts to deploy PV for poverty alleviation. There lacks a comprehensive analysis on the large-scale deployment of solar photovoltaic projects and its impact on poverty alleviation.

How to promote PV poverty alleviation based on local solar resource endowments?

Policy Recommendation 1: Plan Photovoltaic Deployment Based on Local Solar Resource Endowments. The implementation and promotion of PV poverty alleviation policies should be guided by the solar resource endowments of each locality and follow a framework of scientific and rational planning.

How can government regulation improve photovoltaic poverty alleviation?

Along with attempts to increase the stability of the development of the solar energy industry, government regulation could ensure that the scale of the photovoltaic poverty alleviation market remains stable, paying more attention to the quality and effectiveness of power stations.

China implemented a solar photovoltaic (PV) poverty alleviation (PVPA) policy of building nearly 0.24 million PVPA power plants in 2014-2020 to fight poverty. However, our current ...

With the assessments on the photovoltaic power stations, the initial implementation of photovoltaic poverty alleviation revealed a number of problems and solutions, which are practical for ...

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Based on the valid questionnaire of 1251 households in 8 provinces of China, this paper adopts the Differences-in-Differences (DID) model to analyze the policy effect of photovoltaic poverty ...

In order to promote the poverty alleviation by using clean energy sources, this paper develops a joint poverty alleviation project including the green energy investment company (GEIC), ...

There lacks a comprehensive analysis on the large-scale deployment of solar photovoltaic projects and its impact on poverty alleviation. Here the authors show that solar ...

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PVPA projects refer to using photovoltaic power generation to provide a new model for poverty alleviation. It is a type of industrial poverty alleviation. As a significant source of clean and renewable ...

A critical feature of China's poverty alleviation strategy is the prioritization of industrial poverty alleviation, particularly through the implementation of ten targeted programs, including ...

With the active support of national policies, the installed capacity of renewable energy, especially wind power and photovoltaic power generation, has maintained a fast growth rate, far ...

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