

Targeted Poverty Alleviation Solar Power Generation

What is targeted poverty alleviation using photovoltaic power?

Targeted poverty alleviation using photovoltaic power refers to the laying solar cell panels on house roofs and agricultural greenhouses and marked by "spontaneity, self-use and grid-connection of surplus"; in other words, farmers can use the electric energy on their own, and sell surplus electric quantity to the state grid.

Does PV improve poverty alleviation?

The PV poverty alleviation effect is stronger in poorer regions, particularly in Eastern China. Our results are robust to alternative specifications and variable definitions. We propose several policy recommendations to sustain progress in China's efforts to deploy PV for poverty alleviation.

Do solar photovoltaic projects improve poverty alleviation?

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 photovoltaic poverty alleviation pilot policy increases per-capita disposable income in a county by approximately 7%-8%.

Can solar energy help alleviate poverty?

At present, poverty alleviation is an important global issue, and any country with relatively abundant solar energy resources can implement photovoltaic poverty alleviation projects.

Who proposed photovoltaic poverty alleviation projects in China?

The photovoltaic poverty alleviation projects and corresponding procedures were proposed in China in 2015 by the National Energy Administration and the State Council Leading Group Office of Poverty Alleviation and Development.

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.

Targeted poverty alleviation, a strategy of tailoring relief policies to different local conditions, has played a key role in the country's poverty reduction cause. ... and photovoltaic ...

The context that is characterized by economic restructuring, regional disparity and income inequality calls for individualized attention to people in poverty. Thus, the strategy of targeted ...

By the end of 2019, the task of PV poverty alleviation construction was fully completed. 15 The cumulative scale of the PV poverty alleviation power stations that were built was 26.36 million ...

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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 knowledge of its effects, ...

of China's targeted poverty alleviation strategy, we use a panel dataset of 211 pilot counties that received targeted PV investments from 2013 to 2016, and find that the PV poverty

PV-based targeted poverty alleviation includes six procedures: the identification of low-income families, the construction of PV projects, the operation and maintenance of PV ...

Downloadable (with restrictions)! Author(s): Zhang, Huiming & Xu, Zhidong & Sun, Chuanwang & Elahi, Ehsan. 2018 Abstract: Photovoltaic-based targeted poverty alleviation has been ...

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Photovoltaic power generation is one of the targeted poverty alleviation projects in China and has the potential to lower carbon emissions and alleviate environmental impacts ...

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