

Solar power generation targeted poverty alleviation

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.

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%.

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.

Can solar power help alleviate poverty?

Several studies on the intersection of PV deployment and poverty alleviation have focused on the role of PV in providing rural electricity access in locations that do not have access to electric grids or in a few developed countries 9,10,11,12,13,14,15,16,17,18,19.

Can photovoltaic power reduce poverty in China?

There are a number of poverty alleviation measures in China, one of which, the use of photovoltaic power has sparked the attention of both central and local governments due to its advantages: stability of power generation income, availability of renewable energy extension and innovation in future "energy saving and emissions reduction" measures.

Can solar power help reduce poverty in China?

Solar photovoltaic (PV) power project, one of the major targeted poverty alleviation programs in China, has contributed greatly to the country's poverty reduction efforts, according to a white paper released by the State Council Information Office on April 6.

The projects that combine solar photovoltaics (PV) and poverty alleviation (PA) are the explorations of sustainable development (SD) from the Chinese government, aiming at ...

China's PPAPs refer to the promotion of poverty reduction through solar power generation, with the advantages of stable power generation income, effective new energy ...

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This article is related to a wide range of literature, such as studies on the effects of anti-poverty policies [1,[22][23] [24] as well as studies on targeted poverty alleviation ...

Semantic Scholar extracted view of "What is the anti-poverty effect of solar PV poverty alleviation projects? Evidence from rural China" by Jing Liu et al. ... Impact of ...

China is among the countries with abundant solar energy resources, with more than 2000 sunshine hours in more than two-thirds of the country. This provides particularly ...

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China's photovoltaic poverty alleviation projects (PPAPs) aim to help alleviate poverty by using the new energy power generation. In recent years, the PPAPs have ...

As the main project in targeted poverty alleviation, photovoltaic poverty alleviation (PVPA) has attracted increasing attention from the public and government. ... A real ...

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

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Photovoltaic-based targeted poverty alleviation (PVPA) has been established for 10 years with the mission of one of "the ten large-scale poverty relief programs" in China.

Solar PV poverty alleviation projects (PPAP) mainly help poor households out of poverty through the profit generated by solar PV power generation plants installed on the ...

It carried out an independent solar photovoltaic power supply project, providing electricity to 1.19 million people. By the end of 2015, China had achieved electricity coverage ...

Photovoltaic poverty alleviation (PVPA), proposed by the Chinese government, is an innovative policy combining poverty alleviation with renewable energy, which aims to ...

Recognizing the synergies within the energy-poverty-climate nexus, China has implemented photovoltaic poverty alleviation projects (PVPA) to combine renewable energy ...

As one of the most critical TPA programs, PPAP combines solar energy development and poverty alleviation



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[5] brings stable solar power generation benefits for the ...

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