

What is photovoltaic poverty alleviation (PVPA)?

Photovoltaic Poverty Alleviation (PVPA) projects, which utilize the subsidies and income from PV power to alleviate poverty in rural areas, are part of a comprehensive energy policy innovation in China. It is expected that the projects will deploy at least 10GW PV and benefit more than two million poor households in total by 2020.

Can photovoltaic power stations reduce poverty?

First, as one of the most efficient poverty alleviation strategies, village power stations occupy a small amount of space and involve little investment compared with other modes, which is possible to be promoted for the construction in the photovoltaic poverty alleviation projects.

Do photovoltaic poverty alleviation projects need an urgent reform?

The subsidy policies for photovoltaic poverty alleviation project in China need an urgent reform because this project is not only more dependent on subsidies but also inefficient in using subsidies. To relieve financial difficulties, we construct the investment benefit evaluation model for photovoltaic poverty alleviation projects.

Does photovoltaic poverty alleviation work in China?

Provided by the Springer Nature SharedIt content-sharing initiative To synergize climate mitigation with poverty alleviation, China has implemented photovoltaic poverty alleviation (PVPA) projects since 2014, with Anhui Province being among the initial pilot regions.

Does national policy regulation support photovoltaic poverty alleviation?

Although the benchmark feed-in tariff for photovoltaic power decreases continuously, and power grid parity for renewable energy is inevitable, national policy regulation and controls still provide preferential support for photovoltaic poverty alleviation (Yang et al., 2019).

Will village-level poverty alleviation power stations contribute to China's photovoltaic poverty relief programme?

In the next few years, the development of village-level poverty alleviation power stations will constitute the main direction for China's photovoltaic poverty alleviation programme. The village power stations overcome several bottlenecks that have long troubled photovoltaic projects and greatly reduce project development difficulties.

The earliest initiative exploring the potential of integrating solar photovoltaics with poverty eradication in China could be traced back to the late 20th century's Brightness ...

To provide new understanding of China's targeted poverty alleviation strategy, we use a panel dataset of 211

National poverty alleviation power photovoltaic panel subsidies

pilot counties that received targeted PV investments from 2013 to 2016, and find that ...

Policies such as photovoltaic subsidies and the price of photovoltaic electricity for poverty alleviation will affect the income and cash flow of the project, so national policy ...

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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. This paper would ...

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Researchers assessed the effect of solar energy projects on poverty in China and determined that PV systems can play a role in reducing multiple dimensions of poverty while also contributing to ...

Based on 1251 household surveys collected in photovoltaic (PV) poverty alleviation areas in rural China, this paper explores the effects of PV cognition including ecological values, perceived ...



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