

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.

What is photovoltaic poverty alleviation in China?

As a part of an environmentally concerned development strategy, the photovoltaic poverty alleviation in China is adopted to lift households above the extreme poverty line by 2020.

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.

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.

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.

A Review on photovoltaic poverty alleviation projects in China: conjunctures, current status and policy recommendations Peishi Wu^{1,*}, Siyu Ke², and Yiling Gao¹ ¹Beijing Normal University ...

Numerous scholars have also evaluated PV poverty alleviation policies to better guide their implementation. For instance, ... Our analysis is based only on panel data for four ...

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 ...

China's photovoltaic industry has developed rapidly, and the Chinese government has started to formulate policies to promote the combination of photovoltaic industry and rural ...

In this study, we construct a panel of 211 SEPAP pilot counties and a group of control counties from ... on rural disposable income of PV poverty alleviation policies was 2.6-2.7%. This ...

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To synergize climate mitigation with poverty alleviation, China has implemented photovoltaic poverty alleviation (PVPA) projects since 2014, with Anhui Province being among ...

Photovoltaic poverty alleviation policy and regional economic growth-An empirical study using panel data of 722 poor counties in China from 2013 to 2019. Author: Affiliation: ...

Our analysis revealed the co-benefits of emission-reduction and poverty alleviation, with PVPA policy boosting villagers' per capita net income by 2-3% in villages with PV plants. A nonlinear, inverted U-shaped ...

The Photovoltaic Poverty Alleviation (PVPA) program is another program implemented in China. ... The energy subsidy program in China and Brazil found that the public lacked information regarding program policies and ...

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 ...



Photovoltaic panel poverty alleviation policy

