

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.

Are photovoltaic poverty alleviation projects a social welfare project?

Energy poverty is a serious problem worldwide and has attracted the attention of policymakers. As a type of social welfare project, photovoltaic poverty alleviation projects (PPAPs) are expected to achieve high-quality poverty alleviation and an energy transformation in China.

What is the performance of solar PV poverty alleviation projects?

The performance of solar PV poverty alleviation projects is the lowest. Government macro control of solar PV poverty alleviation is not effective. The solar photovoltaic project (PPAP) is an important innovation in China's targeted poverty alleviation (TPA) mission.

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.

Who is working on PV poverty alleviation project?

Work program on implementation of PV poverty alleviation project; 2014. National Development and Reform Commission, State Council of the People's Republic of China, National Energy Administration of the People's Republic of China, China Development Bank, Agricultural Development Bank of China.

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.

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The use of photovoltaic power in poverty alleviation in China is one of the "Ten Targeted Poverty Alleviation Projects" of the government. This type of alleviate poverty features prominently in the planning of both central and local government because it provides for stable earnings, the possibility of extending renewable energy

and ...

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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 flourished with the strong support of the Chinese government, becoming an integral strategy for the support of rural industries. The PPAPs were first trialed in 2013, in Jinzhai ...

The solar photovoltaic poverty alleviation project (PPAP) is an important innovation in China's targeted poverty alleviation (TPA) mission. Through investment in the ...

Solar PV has significant benefits in supplying energy, protecting the environment, and boosting economic growth with the photovoltaic poverty alleviation (PV-PA) policy as an intervention by the ...

The photovoltaic poverty alleviation project (PPAP), with functions of clean generation and poverty assistance, is regarded as an effective way to promote energy structure transformation and ...

Post evaluation of PV poverty alleviation project is of great guiding significance for new energy development planning, poverty alleviation promoting and construction and operation of PV power stations. ... this paper uses pattern recognition method based on fuzzy C-means clustering algorithm and support vector machine to classify the projects ...

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As an integrated approach to renewable energy adoption and poverty alleviation, Photovoltaic Poverty Alleviation (PVPA) projects carry the weight of significance and expectation from the Chinese ...

Solar energy holds significant potential for alleviating poverty, tackling climate change and providing affordable clean energy, contributing to multiple United Nations Sustainable Development Goals. However, limited research has systematically reviewed the progress in the field of solar photovoltaics and poverty (PV-PO). To address this gap, this paper aims to reveal ...

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...

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one of "the ten large-scale poverty relief programs" in China.

The photovoltaic poverty alleviation project (PPAP), as an integration of solar photovoltaics and poverty alleviation, has gained great attention since it was proposed in China.

Liu et al. [23] explored the role and contribution of China's Photovoltaic Poverty Alleviation Project (PPAP) in improving the livelihoods of 735 impoverished rural households based on sample data from rural areas. However, a notable drawback is that the micro-level household survey or interview data used in the aforementioned studies are ...

As a type of social welfare project, photovoltaic poverty alleviation projects (PPAPs) are expected to achieve high-quality poverty alleviation and an energy transformation in China. By the end of 2019, in China, the task of PPAP construction had been fully completed, with 26.36 million kWh of (PV) photovoltaic power plants having been built and 4.15 million ...

As a part of an environmentally concerned development strategy, the photovoltaic poverty alleviation in China is adopted to lift households above the rural extreme poverty line by the end of 2020. With the detailed project-level data in 534 counties, 22 provinces, this systematic assessment on Chinese photovoltaic power projects identifies geographic distribution, ...

tlenecks for Chinese PV poverty alleviation projects, which is supported by the analysis of Xu et al.²⁵ and Wu et al.²⁶. Xue²⁷ and Zhou and Liu²⁸ emphasize the role of industry structure in

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By the end of 2018, a total of 15 GW of photovoltaic poverty alleviation capacity had been allocated and 2.24 million households were identified by the Chinese authorities as being in need of ...

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 firstly examine the historical conjuncture of the PVPA, followed by the current status and the analysis of policy instruments. Results show that there are mainly three categories of policy instruments ...

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. ... financial support and infrastructure construction. Despite the great achievements, PVPA also need some improvements to be better implemented, and in the last part of ...

Photovoltaic poverty alleviation (PVPA), proposed by the Chinese government, is an innovative policy



Photovoltaic support and poverty alleviation projects

combining poverty alleviation with renewable energy, which aims to achieve poverty alleviation and low-carbon development through PV power generation by creating income for poor households and communities (Lo and Broto, 2019).The initial reason for developing ...

We find that: i) reducing installed capacity cost per unit is an optimal strategy to improve the profitability of photovoltaic poverty alleviation project. ii) The VAT preferential policy ...

Since 2014, China's photovoltaic poverty alleviation projects (PPAPs) have developed rapidly with the strong support of the Chinese government.

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