Solar Photovoltaic Poverty Alleviation Project Description

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. ... 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.

As a momentous energy policy innovation endowed with the highest level of political support in China, the solar PV poverty alleviation project (PPAP) combines the development of clean energy with ...

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.

Downloadable (with restrictions)! 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 10 GW PV and benefit more than two million poor households in total by 2020.

Providing affordable clean energy and reducing poverty are two important sustainable development goals (SDGs) proposed by the United Nations [4], while increasing energy access is generally considered a key driver for poverty reduction in developing countries [5].Solar photovoltaic (PV) power generation has the advantage of combining green ...

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, encompassing not only primary poverty alleviation but also secondary objectives such as carbon emission-reduction, remains comparatively constrained. ...

Semantic Scholar extracted view of "Performance evaluation of China"s photovoltaic poverty alleviation project using machine learning and satellite images" by Hui Yin et al. Skip to search form Skip to main ... The rapid growth of rooftop solar photovoltaic systems can pose a number of financial challenges for electric utility shareholders and ...

In January 2015, PPAPs were included as one of ten projects for targeted poverty alleviation. 11 Moreover, the central government successively issued relevant norms or standards for solar PV products and markets, helping promote the standardized development of the solar PV industry. Subsequently, PPAPs entered the developmental stage.

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review of photovoltaic poverty alleviation projects in China: Current status, challenge and policy recommendations}, author={Yan Li and Qi Zhang and Ge ...

As a clean and free renewable energy source, solar photovoltaic (PV) has been increasingly adopted in developing countries in recent years. The improvement in PV technology and the reduction in PV construction costs have made it an important means to promote rural electrification [4], reduce energy poverty [5], and even achieve low-carbon ...

Downloadable (with restrictions)! Since 2014, China"s photovoltaic poverty alleviation projects (PPAPs) have developed rapidly with the strong support of the Chinese government. Nevertheless, empirical evidence on the contribution of PPAPs in improving the livelihoods of poor rural families is lacking. In order to overcome this knowledge gap, this study adopted a quasi ...

Solar photovoltaic poverty alleviation projects (PPAPs) have flourished with great achievements in China since 2013. However, the degree to which these PPAPs contribute to the sustainable livelihoods and the underlying mechanism remain unclear. By using the partial least squares-structural equation modeling and multi-group comparative analysis, this study ...

As a development strategy related to the environment and economy, photovoltaic poverty alleviation (PVPA) program was chosen by China [4]. The program will help give full play to the advantages of rich solar resources in poor areas, and promote the increase of photovoltaic scale while promoting regional economic development, so as to ...

After completing the pilot projects in 471 counties [11], China"s National Energy Administration (CNEA) has issued 2 batches of photovoltaic poverty alleviation projects (PV-PAPs) so far, with a total of 12,650 power stations and an installed capacity of 5.86 GW, in an effort to help 18,415 poor villages and 1,012,524 poor households [12, 13 ...

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. Under the guidance of the practical experience of PV poverty alleviation in Jiangxi province, China, this paper firstly builds a

To provide new understanding 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 ...

From the provincial level, the proportion of solar PV poverty alleviation projects" fund investment in Hubei (46.31%), Henan (24.73%), Qinghai (29.88%), and Ningxia (22.96%) is higher than the reasonable proportion, the proportion of solar PV poverty alleviation investment in Inner Mongolia (11.99%) and Anhui (8.73%) is less than the reasonable ...

Solar Photovoltaic Poverty Alleviation Project Description

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 ...

Semantic Scholar extracted view of "Is the photovoltaic poverty alleviation project the best way for the poor to escape poverty? ----A DEA and GRA analysis of different projects in rural China" by Zihan Wang et al. ... China implemented a solar photovoltaic (PV) poverty alleviation (PVPA) policy of building nearly 0.24 million PVPA power ...

Case study description. ... Personal injury caused by falling solar photovoltaic panels (Zayed, 2014). During photovoltaic installation and maintenance, the potential toxic hazards cannot be directly realized by local residents, except for the safety accidents of staff. ... Analysis and optimization path of photovoltaic poverty alleviation ...

Due to the characteristics of poverty alleviation and cleanness, the photovoltaic poverty alleviation project (PPAP) plays an important role in consolidating the link between poverty alleviation ...

Xinfeng poverty alleviation II solar project (10MWp(7.662MW)) is an operating solar photovoltaic (PV) farm in Xinfeng, Ganzhou, Jiangxi, China. Project Details Table 1: Phase-level project details for Xinfeng poverty alleviation II solar project

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Solar Photovoltaic-based Targeted Poverty Alleviation (PV-PA) projects aim to broaden the income channels and improve the electricity supply of the rural poor. By selling the electricity generated by solar PV systems, each household that implements PV-PA project earns >3000 yuan per year after the removal of loads and taxes (Wu, Ke, Wang, Li ...

China has abundant solar radiation, and more than 66% of the Chinese landscape enjoys over 2000 sunshine hours per year, which provide quite satisfied conditions for the PVPA projects [1]. The Poverty Relief Office of State Council named the PVPA one of the "ten targeted poverty alleviation programs" which is a preferable

Photovoltage (PV) projects have proved effective in China"s poverty alleviation efforts. Supported by reliable technologies, such clean power projects can produce stable incomes for ...

Semantic Scholar extracted view of "How do photovoltaic poverty alleviation projects relieve household energy poverty? Evidence from China" by Yunwei Li et al. ... Purpose This study aims to analyze those factors affecting the rural resident"s willingness to adopt solar photovoltaic (PV) which is important for accelerating the popularization ...

Solar Photovoltaic Poverty Alleviation Project Description

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.

As a development strategy related to the environment and economy, photovoltaic poverty alleviation (PVPA) program was chosen by China [4].The program will help give full play to the advantages of rich solar resources in poor areas, and promote the increase of photovoltaic scale while promoting regional economic development, so as to ...

Photovoltaic poverty alleviation is an important way to help people get rid of poverty in China. Evaluating the comprehensive benefits of photovoltaic poverty alleviation project (PPAP) is significant to the closed-loop management of projects and the formulation of future poverty alleviation action. From the perspective of sustainability, this article proposes a ...

The solar photovoltaic poverty alleviation project (PPAP) is an important innovation in China"s targeted poverty alleviation (TPA) mission. ... Description; X1: Photovoltaic Poverty Alleviation Project (PPAP) This variable refers to the total amount of investment for PPAP during 2013-2017 TPA. PPAP mainly helps poor households out of ...

Since 2013, China has implemented a large-scale initiative to systematically deploy solar photovoltaic (PV) projects to alleviate poverty in rural areas. To provide new understanding 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 ...