

European Solar and Energy Storage Solutions

Yuejie Village Committee Photovoltaic Panel



Overview

Does community management influence household adoption of rooftop solar photovoltaics in rural China?

This paper examines inequality in household adoption of rooftop solar photovoltaics in rural China through a qualitative study of three villages. The Chinese government promotes distributed solar to drive low-carbon development. However, community management and China's institutional system influence unequal access.

How do village committees promote solar adoption?

There are three modes for village committees to promote solar adoption: non-intervention, partial intervention, and full intervention. Generally, government-involved adoption can give households more external support, including information, supply chain, maintenance service, etc.

Does village-level PVPA work in China?

This study evaluates the economic and social benefits of the village-level PVPA program in China. The PVPA program, which began in 2015, has become an important policy for achieving poverty reduction and clean energy SDGs. The evaluation of PVPA projects is crucial for three reasons.

Do community-level support and household resources affect photovoltaic adoption?

We find that structural opportunities provided by communities and households' own resource endowments have an additive effect on adoption. This highlights the need to consider both community-level support and household resources when evaluating photovoltaic adoption and energy justice.

Do local authorities play a role in household rooftop photovoltaic adoption?

The research revealed salient geographic disparities in household rooftop

photovoltaic adoption, closely associated with the role of local authorities (particularly village committees) in new energy promotion schemes.

Do villagers have a role in photovoltaic negotiations?

From a procedural justice standpoint, the village committee acts as an agent negotiating with photovoltaic enterprises while villagers participate limitedly (e.g., voting at meetings). Regarding pricing roof resources and determining cooperation specifics, villagers' absence in negotiations diminishes the fairness of the process.

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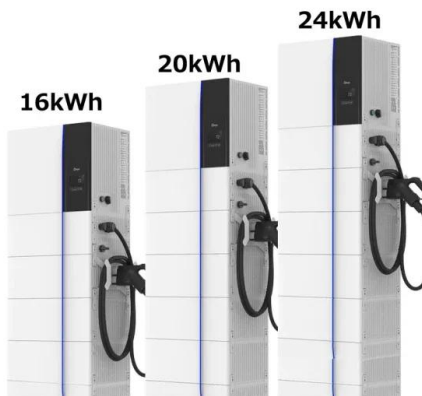


Household adoption modes of rooftop photovoltaic in rural ...

This paper examines inequality in household adoption of rooftop solar photovoltaics in rural China through a qualitative study of three villages. The Chinese government promotes distributed ...

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setting up four microgrid clusters powered by solar photovoltaic panels and accompanying battery storage. The four systems together add up to 70kW and generate, on average, 350kWh per day.

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