

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.

Do community-level support and household resources matter for photovoltaic adoption and Energy Justice?

This highlights the need to consider both community-level support and household resources when evaluating photovoltaic adoption and energy justice. Rural China's energy system relies heavily on high-carbon, non-renewable sources (Liao and Wei 2010).

How can China promote distributed PV?

To promote distributed PV, China's National Energy Administration launched a "county-level promotion" strategy in 2021. This strategy sets a target for at least 20% of rural households in 676 pilot counties and districts to adopt rooftop solar panels. The concept of "energy justice" originates from John Rawls' theory of justice.

Does China's social system influence household solar adoption?

China's social system influences household solar adoption, intertwining inequality and injustice with lower-level government bureaucracy behaviors. The background of Chinese households adopting solar energy is unique and rarely discussed in previous studies.

Can a family install a rooftop photovoltaic system?

In communities embracing the collective leasing mode, all families possess equal opportunity to install rooftop photovoltaic systems; however, household income varies. Families with larger roof areas can install multiple photovoltaic sets and garner more rent.

Does China subsidize solar power?

China subsidized distributed PV from 2013 until canceling subsidies in 2022 (Fig. 1). Under the policies, PV stations commissioned in different years received varying subsidy rates, fixed for 20 years. Trends in government subsidies for photovoltaic power generation.

With the implementation of a set of supportive policies, China's photovoltaic (PV) market has experienced rapid growth and has emerged as the world's largest PV market (Tang ...

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The headquarter of Solarmax Technology, Inc. (Solarmax) locates in Riverside, California, USA. SolarMax is integrated solar photovoltaic power generation system integration company, ...

China's installed capacity of distributed photovoltaic power generated by households has reached about 105 million kilowatts by the end of September, covering more than five million households in the country's rural ...

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Ventured into the electric vehicle industry by investing in aftermarket service platforms. ... Secured 240MW photovoltaic bidding solar project, the largest in China Southern Power Grid and ...

In the photovoltaic field, BYD has launched a household photovoltaic system in recent years, with module conversion efficiency of up to 21.7%, annual power generation of about 25,000 degrees, to achieve daytime energy storage and ...

Exploring the social-psychological influence of household solar energy adoption in rural China ... Regarding their implementation, household PV power systems are usually put on roofs, ...

Joeyoung is a technology-driven solar inverter manufacturer in China, specializing in high-efficiency solar PV inverters for residential, commercial, and industrial applications. With ...

Solar photovoltaic (PV) plays an increasingly important role in many counties to replace fossil fuel energy with renewable energy (RE). By the end of 2019, the world's cumulative PV installation ...

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Longi Green Energy Technology Co Ltd, a solar power technology company based in Xi'an, Shaanxi province, has recently launched a mini program on WeChat where users can receive one-stop rooftop ...

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