

Why is China promoting photovoltaic system in rural areas?

Based on the above reasons, the Chinese government plans to vigorously promote the construction of photovoltaic system in rural areas, which has been included in the 14 th Five-Year Plan of renewable energy development. In the foreseeable future, rural photovoltaic system in China will achieve rapid and sustainable growth. Figure 4.

Can solar photovoltaic projects help alleviate poverty in rural areas?

Nature Communications 11, Article number: 1969 (2020) Cite this article Since 2013, China has implemented a large-scale initiative to systematically deploy solar photovoltaic (PV) projects to alleviate poverty in rural areas.

What are the characteristics of distributed photovoltaic system in rural areas?

First of all,the residential building density and power load density in rural areas are relatively low,which match the characteristics of distributed photovoltaic system (Haghdadi et al. 2017; Zhang et al. 2015; Zhu and Gu 2010).

How do Rural PV projects affect sustainable livelihoods?

In the total effect of rural PV projects on sustainable livelihoods,the proportion of intermediary effect for TI is 34.7 %,and the BI is 41.3 %. Thus,endogenous impetus of individual act as the catalysts for PPAPs to achieve poverty reduction.

Can passive photovoltaic technology be used in rural residential buildings?

In general, the application of passive photovoltaic technology in China's rural residential building has lower cost, stronger targeted and better effect, and it is an indispensable part to realize the green ecology of rural buildings. 3.3. Building integrated photovoltaic

Do Rural Residential photovoltaic systems provide social benefits?

4.3. Social benefits Compared with economic and ecological benefits,there is relatively less discussionin existing literature on the social benefits generated by the application of rural residential photovoltaic systems.

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