

How does China support the development of distributed photovoltaics?

China issues a series of policies to support the development of distributed photovoltaics in law, electricity price, grid connection standard, project management, financial support and so on. However, there are still some defects in policies and market mechanism.

Why is distributed photovoltaic power generation important?

The distributed photovoltaic power generation is an important way to make use of solar energy in cities. China issues a series of policies to support the development of distributed photovoltaics in law, electricity price, grid connection standard, project management, financial support and so on.

Can photovoltaic development contribute to China's CO₂ mitigation goals?

A five-dimensional assessment estimated China's PV feasibility and CO₂ mitigation. China has 416,383.27 TWh/yr CPV potential and 28,261.53 TWh/yr DPV potential. China's CPV and DPV are at a critical point: the LCOE is close to the feed-in tariff. Photovoltaic development can contribute to China's carbon reduction goals.

How to implement a photovoltaic project in China?

China implemented PV projects with the record plan management mode. Local provincial governments need to set up corresponding records management methods and start the filing procedures, so that photovoltaic projects can get the corresponding policy support.

What is the economic risk of distributed photovoltaic project in China?

Financing is a tough issue in the development of distributed photovoltaic in China. However, the issues of photovoltaic project registration policies, such as lack of implementation of grid connection program, immature business model and imperfect standard specification, increase the economic risk of distributed photovoltaic project. 3.2.

What is the development of PV station and DPV in China?

Fig. 1 introduces the development of PV station and DPV in China. Up to 2017, the total amount of DPV installed in China reached 2966 MW. New installed units are mainly distributed in Zhejiang, Shandong and Anhui Provinces.

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