

Are photovoltaic power generation policies effective?

Existing qualitative research on photovoltaic power generation policies has preferred sorting, summarizing, and performing comparative analyses of policies, focusing on their effectiveness and efficiency. Meanwhile, policy synergies have been ignored when studying the effectiveness of photovoltaic power generation policies.

Who formulates policies on photovoltaic power generation?

Nevertheless, policies on photovoltaic power generation have been mainly formulated by a single department: the National Development and Reform Commission or the National Energy Administration. In addition, as shown in Fig. 1, before 2009, there were no multiple departments formulating or issuing policies without synergy between departments.

What policies are being introduced in the solar energy industry?

A set of supportive policies have been introduced including the Feed-in Tariff Scheme, Photovoltaic Poverty Alleviation Project, and other demonstration projects. Later regulation, de-subsidization, and solar power consumption became the hot spot.

What are the policy goals of photovoltaic power generation?

The policy goals of photovoltaic power generation are divided into three aspects: improving technology and promoting production, promoting construction and application, and guaranteeing and maintaining application effects.

What policies support solar generation?

Policies to support solar deployment should reward generation, not investment; should not provide greater subsidies to residential generators than to utility-scale generators; and should avoid the use of tax credits. State renewable portfolio standard (RPS) programs provide important support for solar generation.

How do government policies help promote solar energy deployment?

At the federal level, several key policies, programs, and regulations help promote solar energy deployment. Many of these policies help reduce the capital costs associated with developing new solar projects, making solar a more attractive option for communities across America.

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Web: <https://www.publishers-right.eu/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

