Rattan Solar Power Generation Policy

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 Commissionor 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.

How can local governments improve the implementation of renewable power generation policies?

Local governments are the actual implementers of policy instruments; thus,analysing their selection of policy instrumentswill help to better propel the implementation of renewable power generation policies.

How are photovoltaic power generation policies evaluated?

Initially,the evaluation of photovoltaic power generation policies mainly focused on qualitative evaluations,which revealed existing problems by sorting the types of policies and summarizing the impacts of their implementation (Huo and Zhang,2012; Grau et al.,2012; Zhang et al.,2014; Yang and Zhao,2018; Gao and Rai,2019).

Can rattan evaporator be salt free?

Herein,we develop a high-efficiency and salt-free evaporatorbased on the surface-carbonized rattan (C-rattan). The water evaporation rate and efficiency of C-rattan under 1 sun illumination can reach 1.47 kg m -2 h -1 and 90.4%,respectively.

By employing a mixed-method approach, including current status of the solar industry, case studies, and policy analysis, this paper examines the impact of policy frameworks, both ...

Did RattanIndia group sell its solar power fleet to GIP? RattanIndia Group sold off its entire solar power project fleet totalling 306 Mw to Global Infrastructure Partners (GIP), one of the largest private equity ...

Rattan-based solar evaporator with natural hierarchical and gradient pore structure for synergetic salt resistance and stable freshwater generation

More recently, policies have evolved to prioritize regulatory refinement, subsidy reduction, and optimizing solar power consumption. These empirical insights underscore the pivotal role of ...

Scalable and sustainable solar-driven interfacial evaporators are vital to addressing global freshwater scarcity and sustainability challenges. However, the applicability of biomass-based ...

Renewable power generation, which is the main driver of power decarbonization, is strongly supported by government policies. However, there are deficiencies in policy design, e.g., a ...

Additionally, this study expands the existing quantitative research on policy content analysis. The results show that changes in the degree of synergy between policy goals and ...

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Understanding the Shift in the Energy Landscape Over the past decade, renewable energy has transitioned from a niche alternative to a central pillar of national energy policies. Solar, ...

A rattan-based evaporator with bimodal hierarchical porous structures achieves an high evaporation rate of 3.34 kg m-2 h-1 under 1 sun illumination by optimizing the surface water layer, ...

In the typical SIE systems, the solar power harvesting, photothermal conversion and vapor generation are confined at the air-liquid interface, which allows for the avoidance of heating entire ...

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