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Overview

Can solar energy studies be useful in Jordan?

Akash et al. (2016) [76] investigated the current state of solar energy studies in Jordan. They mentioned that their work could be helpful and enlightening to several individuals, including scholars, legislators, and decision-makers.

Can PV systems reduce peak demands and energy costs in Jordan?

In Ref. [110], scholars reported that PV systems could be used to reduce peak demands and energy costs in Jordan. The study shows that installing PV systems can reduce energy costs by up to 10% for large commercial buildings.

Do green buildings reduce energy consumption in Jordan?

The Jordanian green building certification system based on the LEED standard was validated by Alshorman et al. (2018) [93]. The scholars evaluated the energy efficiency of green buildings in Jordan and found that they can significantly reduce energy consumption compared to conventional buildings.

Is Jordan a good place for solar energy?

They reported that because Jordan is located in the world's solar belt, it receives higher average solar radiation amounts, ranging between 4 and 8 kW h/m 2 /day, which suggests a capacity of 1400–2300 GW h yearly. As a result, Jordan has a huge potential for solar energy, enabling a large-scale installation of PV projects.

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Assessment of solar photovoltaics potential installation ...
Aug 16, 2023 · Moreover, the highest potential envelope part of installing the solar photovoltaic technologies is the roof because it is unshaded and received the highest solar radiation, ...

Jordan's Glass Breakthrough Shields Energy Sector from ...
Mar 30, 2025 · Could we see buildings constructed with glass that not only lets in light but also protects against radiation? Might solar panels become more efficient thanks to advances in ...

Investigation of the energy output from PV panels based on ...
Dec 1, 2021 · Amman, the capital of Jordan, is one of the world cities that has a high rate of solar radiation and the number of sunshine days is one of the highest in the world which about 320° ...

Top Companies Middle East Solar Photovoltaic Glass market
Key players enhance the Middle East solar PV glass market growth through innovation, efficiency products, and strategic alliances, driving sustainability.

Energy Efficient Glass: A Way to Reduce Energy
Results were compared with the existing energy consumptions and costs to make recommendations for the ideal glass properties to use in office buildings facades in Amman ...

Unruly rooftops: solar thermal configurations and the labor ...
Mar 17, 2025 · Focusing on the urban landscape of Amman, Jordan, this paper examines the governance challenges of renewable energy transition as it intersects with heterogeneous ...

Advances in Glass Research
Feb 20, 2025 · v Link vi Preface and challenges in glass development, traditional and new manufacturing processes, characterization techniques, structural, thermal, and optical ...

Effect of Glazing Type on Solar Heat Gain Through ...
Rousan and Shariah [6] have studied the solar and thermal energy gain through windows of ordinary glass for three different sites in Jordan. Their results are given in the form of tables.

Prospects and Obstacles Associated with Community Solar ...
Mar 20, 2024 · Large-scale solar projects, like the Shams Ma'an Solar Power Plant, underscore the viability and success of solar energy initiatives in Jordan [10]. Moreover, Jordan's ...

Prospects and Obstacles Associated with ...
Mar 20, 2024 · Large-scale solar projects, like the Shams Ma'an Solar Power Plant, underscore

the viability and success of solar energy initiatives in ...

Substantial gains of renewable energy adoption and ...
Sep 1, 2023 · Nevertheless, most existing peer-reviewed articles and research publications in the global literature focused on highlighting recent trends and future plans for the RE system in ...

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