

What is the outlook for solar energy in Jordan?

Looking ahead, the outlook for solar energy in Jordan is positive. According to a report by the International Renewable Energy Agency (IRENA), Jordan is expected to increase its solar energy capacity to 2.7 GW by 2023, up from 1.7 GW in 2020.

What is the solar energy potential in Jordan?

The solar energy potential in Jordan is enormous as it lies within the solar belt of the world with average solar radiation ranging between 5 and 7 KWh/m<sup>2</sup>, which implies a potential of at least 1000 GWh per year annually. Solar energy, like other forms of alternative energy, remains underutilized in Jordan.

Will Jordan increase its solar energy capacity by 2023?

According to a report by the International Renewable Energy Agency (IRENA), Jordan is expected to increase its solar energy capacity to 2.7 GW by 2023, up from 1.7 GW in 2020. This represents a significant increase in solar energy capacity and is expected to help reduce Jordan's reliance on imported fossil fuels.

What percentage of Jordan's electricity is generated by solar energy?

Currently, solar energy accounts for around 5% of Jordan's electricity generation capacity. This is relatively low compared to other countries in the region, such as the United Arab Emirates and Saudi Arabia, which have made significant investments in solar energy.

Does Jordan have a solar energy policy?

Jordan has implemented several policies to encourage the growth of solar energy in the country. In 2012, the government introduced a feed-in tariff system that offers a fixed rate for solar energy producers to sell their electricity to the grid.

Why is solar energy important in Jordan?

Electricity demand in Jordan plays a significant role in the high amount of energy consumption to cover the needs of heating, cooling, lighting, etc. For that, the availability of the solar radiation information becomes essential to help in the design and building of the solar energy application.

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the ...

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Current: Jordan's installed solar PV capacity has seen significant growth, reaching approximately 1.5 GW by 2023. This expansion is part of Jordan's broader strategy to diversify its energy mix ...

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2023 outlook of Jordan in solar. It is anticipated that Jordan will enrich its capacity from 1.7 GW in 2020 to 2.7 GW by 2023, based on the reports of the International Renewable Energy Agency (IRENA). Since there will be a notable spike in solar energy capacity, reliance on Jordan on imported fossil fuels will be reduced.

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Specifically for Jordan, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

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Solar or wind energy powers approximately 29 percent of the electricity grid and Jordan aims to reach 50 percent of electricity from renewables by 2030 through a focus on smart grid development and energy storage projects.

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