

Jordan wind and solar power system





Overview

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. How is wind energy used in Jordan?

In Jordan, the use of wind energy production is being taken into consideration due to the international trend of the exploitation of renewable sources of energy. Two small size wind power plants were installed. The first wind power plant is Hofa power plant. It is located in the North of Jordan, less than 92 km away of Amman.

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.

What percentage of Jordan's electricity is solar?

More than 20 percent of the electricity grid in Jordan is powered by solar or wind energy, with a target of 31% by 2030. Exceeding this percentage will be challenging for Jordan unless storage solutions are implemented.

What percentage of Jordan's Energy is renewable?

According to Jordan's Ministry of Energy and Mineral Resources, renewable energy sources contributed around 29 percent of Jordan's total energy output as of the end of July 2022, and the country aims to increase the proportion to 50 percent in 2030.



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