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Jordan New Energy Base solar Site



Overview

The Al Hanakiyeh solar project, a groundbreaking initiative in the Jordanian desert, is steadily progressing toward an ambitious 2025 target of generating 1.1 GW of solar energy. How many solar PV projects are there in Jordan?

Jordan Electric Power Company (JEPCO): 591.44 MW (32,257 projects). Irbid Distribution Company (IDECO): 309.32 MW (28,588 projects). Electricity Distribution Company (EDCO): 181.10 MW (13,300 projects). The global decline in solar PV system prices fueled strong demand for installations during the first half of 2024.

How much solar energy does Jordan have in 2021?

In 2020, a solar energy project was put into operation with an installed capacity of 200 MW and following the opening of this facility the total installed capacity of solar energy in Jordan reached 1,831 MW in 2021, representing 75% of the total renewable energy capacity (NEPCO 2021, 2022; MoEnv 2020).

Is there a cap on solar PV projects in Jordan?

In September 2024, Jordan's Council of Ministers lifted the cap on solar PV project sizes, enabling large-scale installations. A notable example is a 50 MW solar power plant financed by Cairo Amman Bank and currently under construction.

How will the Baynouna solar park benefit Jordan?

"In partnership with the Jordanian government, the Baynouna Solar Park will contribute to Jordan's climate targets, provide access to clean energy, create jobs and ensure economic growth," said Dr Sultan Al Jaber, Minister of Industry and Advanced Technology, Cop28 President-designate and chairman of Masdar.

How much does solar cost in Jordan?

The commercial sector faces higher grid fees of 13 JD (\$18.3 USD) per kWac/month, reducing the economic viability of installations. In September 2024, Jordan's Council of Ministers lifted the cap on solar PV project sizes, enabling large-scale installations.

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.

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