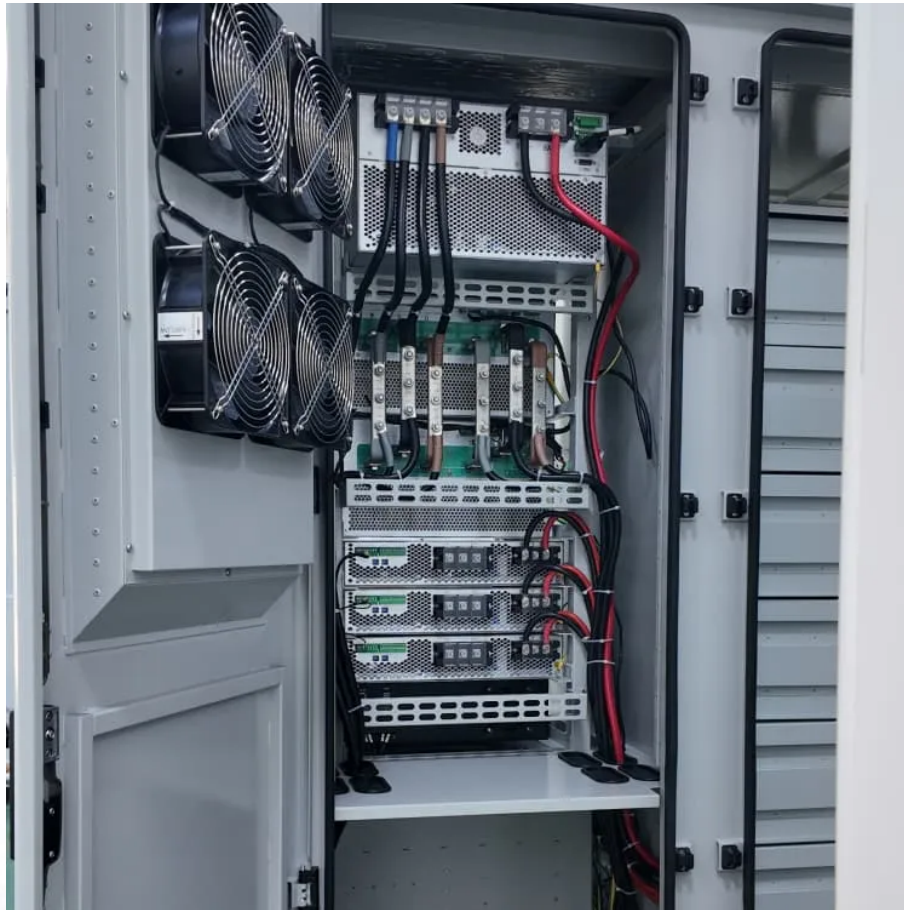


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Kenya s energy storage power exports to



Overview

Kenya exported 10.76 GWh of electricity in March 2025, setting a new monthly record primarily driven by Tanzania's return to importing Kenyan power, ending a six-year absence that had left Uganda as the sole consistent export market. Does Kenya need battery energy storage?

A battery energy storage. The question of power storage has become critical as Kenya embraces e-mobility which requires reliable power supplies. The Energy and Petroleum ministry targets to mainstream power storage in its electricity master plan as the country's renewable energy generation expands.

Who is the implementing agency for the Kenyan battery energy storage system?

The Kenya Electricity Generating Company PLC (KenGen), has been designated to be the Implementing Agency for the Kenyan Battery Energy Storage System (BESS), which is part of the Kenya Green and Resilient Expansion of Energy (GREEN) program, funded by the World Bank.

What is Kenya's energy potential?

Kenya's installed electricity capacity was 3,299.8 MW as of December 2024, composed of 29% geothermal, 30% hydro, 13.4% wind, 6.5% solar, and 18.7% thermal. The country's energy potential is vast, with significant opportunities in geothermal, wind, solar, and bioenergy, as well as emerging areas such as green hydrogen and energy storage systems.

How does Kenya's electricity sector work?

Kenya's electricity sector previously relied heavily on imported crude oil and petroleum products fueling nearly 40% of the installed power generating capacity. With the commissioning of geothermal, wind and solar power plants, this dependency has decreased in recent years and fossil plants provide less than 10% of the annual electricity generated.

How can I export data from Kenya?

Data is now available through the .Stat Data Explorer, which also allows users to export data in Excel and CSV formats. Kenya has put in place significant energy policies and strategies, and with strong institutions and ambitious targets, the country is well-positioned to reach its energy goals and continue its economic growth and development.

What drives Kenya's energy supply and consumption?

Energy production, supply and consumption has been driven up by strong economic and population growth in the past decade. The Ministry of Energy and Petroleum oversees Kenya's energy sector, supported by various semi-autonomous governmental agencies.

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