



Rwanda Power Storage Power Supply

What is the electricity supply of Rwanda?

The electricity supply in Rwanda comes from both domestic generation and imported electricity from neighbor countries and regional shared power plants. The sources of energy used are hydropower plants, thermal power plants (Diesel and Heavy fuel generators), methane gas, and solar energy.

Where can I find information on energy in Rwanda?

For more information on energy in Rwanda, please visit the websites of the Rwanda Ministry of Infrastructure, RDB, the Rwanda Utilities Regulatory Authority, and the Rwanda Energy Group. They provide information on electricity access, both on-grid and off-grid, including solar home systems and mini-grids.

How much power does Rwanda have?

The country is in the midst of a rapid expansion of its electrical grid, and many new plants are proposed or under construction. Rwanda planned to expand its grid power up to 556 MW in 2024. As of December 2022, the national installed generation capacity totaled 276.068 megawatts, with peak demand of 140.6 MW.

From where does Rwanda buy power?

Rwanda currently purchases power from the Rusizi I plant (with an import capacity of 3.5 MW) and Rusizi II (with an import capacity of 12 MW), both owned by Sinelac. Rwanda buys power from the Rusizi I and Rusizi II plants in the Democratic Republic of the Congo (DRC).

How does Power Africa support Rwanda's Energy Sector Development?

Power Africa supports Rwanda's energy sector development through a range of support mechanisms in cooperation with the Government of Rwanda, international finance institutions, development agencies, and private sector partners.

How much electricity will Rwanda supply by 2024?

By 2024, Rwanda plans to supply electricity to 100 percent of the population. This will be achieved through grid expansion (52 percent) and off-grid technologies (48 percent).

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