

A-Core Container

Uganda household energy storage power supply price



Overview

How much does electricity cost in Uganda?

The price of electricity for households in Uganda is 0.170 U.S. Dollar per kWh, and for businesses it is 0.124 U.S. Dollar per kWh (as of March 2023), which includes all components of the electricity bill such as the cost of power, distribution, and taxes.

How much energy does Uganda use?

Electricity contributes only 1.1% to the national energy balance (121,000 TOE), while oil products (mainly used for vehicles and thermal power plants) account for the remaining 8.9%. Uganda has an installed capacity of 595 MW, mostly consisting of hydropower.

Does Uganda have a good electricity supply?

Electricity access in Uganda is much lower than Kenya and almost less than half the Sub-Saharan African (SSA) average. Only 28% of Ugandans have access to electricity, with significant variations between urban, peri-urban, and rural areas. In rural areas, the access rate does not exceed 10%.

What is Uganda's largest hydropower project?

Uganda's largest hydropower project, the 600 MW Karuma Hydro Power Dam is slated to come fully online by the end of 2023, after over four years of delays. The addition of the Karuma Hydro Power Dam is projected to boost Uganda's total capacity by 44% and leave potentially over 1000 MW of excess power generation capacity.

Will the Karuma hydro power dam boost Uganda's power generation capacity?

The addition of the Karuma Hydro Power Dam is projected to boost Uganda's total capacity by 44% and leave potentially over 1000 MW of excess power generation capacity. However, analysts believe a large, suppressed demand exists, particularly among industrial consumers, due to Uganda's unreliable

transmission and distribution systems.

Why is foreign investment increasing in Uganda?

Overview As the government prioritized increasing Uganda's power production, foreign investment in the sector has increased. The Electricity Regulatory Authority (ERA) estimates that as of December 2022, installed electricity capacity in Uganda was 1,402 megawatts (MW) with demand at 843 MW, leaving a surplus of 559 MW.

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