

A-Core Container

Uganda power generation side energy storage



Overview

Why are electricity grids important in Uganda?

With Uganda already facing bottlenecks in energy supply due to infrastructure, electricity grids are also critical for the country's energy transition. As grid connectivity rates increase, funds available for grid expansion should grow and recent reforms will enable greater private sector involvement in the transmission sector.

What is Uganda's energy transition plan?

Source: IEA. Uganda's Energy Transition Plan (ETP) is a strategic roadmap for the development and modernisation of Uganda's energy sector. It charts an ambitious, yet feasible pathway to achieve universal access to modern energy and power the country's economic transformation in a sustainable and secure way.

How can Uganda improve its energy system?

Expanding and modernising Uganda's energy system is at the core of achieving these objectives, whether it be giving electricity to homes, schools and hospitals; supplying burgeoning industries with power and fuel; or enabling the transport of people and goods across the country and beyond.

Is bioenergy sustainable in Uganda?

Around 90% of Uganda's energy needs are still met by solid bioenergy, given it is the only energy source available to many in rural areas. This is not sustainable, nor is it an option to fuel future growth in Uganda.

Does Uganda have a modern energy system?

Uganda's current energy system has seen a range of modernisation efforts in recent years but remains underdeveloped. Nearly 90% of Uganda's final energy consumption is still met by burning solid bioenergy, largely wood and charcoal. However, the use of modern fuels is ramping up, outpacing both

economic and population growth. IEA. CC BY 4.0.

How will Uganda's energy system grow in 2040?

The power sector becomes the backbone of Uganda's energy systems, with all growth met by low-emissions sources. Electricity rises to become the single largest source of energy consumed by 2040, growing to reach 56% of total final consumption by 2050.

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