
Kampala New Energy Storage

Why do we need hydropower & solar energy in Kampala?

Therefore, the sustainable energy portfolio for the Greater Kampala Metropolitan Area relies heavily on hydropower and PV-solar technologies for electrical power production because hydropower & solar energy are abundant in the GKMA, and their presence in the energy mix promotes SDG7.

How sustainable is the Kampala Metro?

The analysis shows that sustainability is plausible by optimizing the total primary energy supply, electrical power production from PV-solar & hydropower technologies, and switching 90% of passengers of the road category to the Kampala metro.

Will a new refinery be built in Uganda?

The construction of the first refinery in Uganda is yet to be realized. The refinery could meet 100% of GKMA's demand for petroleum products and thus reduce substantially the dependence on imported refined fossil oils that exposes the metropolitan to the traditionally unstable world oil market.

Will electrified Kampala Metro reduce the consumption of fossil fuels?

The GKMA-TIMES model analysis shows that the consumption of fossil fuels in the transportation sector would reduce if management sets up an electrified Kampala metro and switches 90% of the passengers to the railway category.

Uganda greenlights a landmark 100 MW solar power plant with 250 MWh battery storage. Discover how this project boosts grid stability and advances solar energy in Uganda.

A major solar-plus-storage has been approved by the Government of Uganda, with the project set for Kapeeka Sub-County, Nakaseke District, approximately 62 kilometers ...

By: ESI Africa The project will be delivered by US-based Energy America, with its East Africa subsidiary, EA Astrovolt, leading development and execution. Issued under ...

With steadfast economic development, the Greater Kampala Metropolitan Area (GKMA) faces increasing pressures to raise low-carbon electricity in the energy consumption ...

Uganda greenlights a landmark 100 MW solar power plant with 250 MWh battery storage. Discover how this project boosts grid ...

Electric car energy storage Kampala energy storage plant The use-it-or-lose-it nature of many renewable energy sources makes battery storage a vital part of the global ...

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By: ESI Africa The project will be delivered by US-based Energy America, with its East Africa subsidiary, EA Astrovolt, leading ...

In a major step toward transforming its energy sector, the Government of Uganda has approved the development of a 100-megawatt (MW) solar photovoltaic power plant ...

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Africa's clean energy drive rose significantly in 2025. But next year signals a new wave of investment in renewable energy projects across the continent. Here are some to ...

Why Energy Storage Matters in Kampala's Growth Story Have you ever wondered how Uganda's capital keeps the lights on as it embraces renewable energy? Kampala is witnessing a green ...

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