

The Beyond the Grid Fund for Africa (BGFA) has signed two new agreements in Uganda to establish new mini-grids and scale up distribution of solar-powered refrigerators in the country.

Community microgrids combine individually owned solar, batteries and other energy generation or storage systems located at facilities that have high reliability or "uptime" needs, such as ... kWh LiFePO4 batteries ...

The Africa Minigrids Program (AMP) recently held its second in-person Community of Practice (CoP) gathering ahead of the 10th Alliance for Rural Electrification's Energy Access Investment Forum (EAIF ...

ARTICLES Socio-economic analysis of solar photovoltaic-based mini-grids in rural communities: A Ugandan case study Richard CartlandI, \*; AI-Mas SendegeyaII; Jean de Dieu Khan HakizimanaI I African Center of ...

Renewable energy microgrid financing involves a complex interplay of financial mechanisms, policy frameworks, technological innovations, and market dynamics aimed at funding the development, deployment, and ...

To investigate inequalities in energy access, Kersey and co-authors conducted a mixed-method study with 25 informal settlements in Kampala, Uganda. They found that despite the expansion of ...

In September 2025, we deployed our first microgrid to a small community of 10 customers in a small densely populated town called Nansana, right outside the Ugandan capital of Kampala.

The lack of demand on-grid, and theft, reduce UMEME's income, which in turn increases tariff prices in Uganda, a vicious cycle. For the community-scale Katiirwe solar plant, by contrast, targets and ...

The introduction of solar microgrids in Uganda provides efficient and more affordable methods of increasing access to electricity.

This report is about the energy poverty hampering Uganda's socioeconomic development. It explores the potential of mini-grids in Uganda, examining various aspects of mini-grids including the ...



# Kampala community microgrids

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