

How many mini-grids are there in Uganda?

Uganda has 34 installed mini-grids that serve approximately 20,000 households. That's less than 1 percent of the 7.3 million households in the country. Solar and hydro make up the vast majority of projects in Uganda - 40 percent and 34 percent respectively (Figure 100).

How will a mini-grid interact with the central grid in Uganda?

There are no clear rules in Uganda for how a mini-grid is to interact with the central grid in the future when the main grid gets built out to where a mini-grid is located. However, developers recognize that the grid is unlikely ever to get connected to where they have been operating on Lake Victoria.

Who owns a mini-grid in Uganda?

In Uganda, utilities, private companies, communities, or some combination of the three operate mini-grids. Generally, a private-sector player develops and operates the mini-grid, owning the generating asset and bearing the cost of construction. Today, seven independent power producers (IPPs) operate -torial Power and Pamoja Energy.

How mature is Uganda's renewable-hybrid mini-grid market?

Uganda's renewable-hybrid mini-grid market is less mature than those in neighboring Kenya and Tanzania both in terms of the number of projects completed and the number of players operating. Uganda has 34 installed mini-grids that serve approximately 20,000 households.

Who regulates mini-grids in Uganda?

The Electricity Regulatory Authority (ERA) is the primary regulator of Uganda's mini-grids. It administers licence approval, sets tariffs and maintains technical standards. The REA has no direct regulatory authority over mini-grids, but ERA consults Source: BloombergNEF.

What percentage of solar and hydro projects are owned in Uganda?

Solar and hydro make up the vast majority of projects in Uganda - 40 percent and 34 percent respectively (Figure 100). Almost 70 percent of the projects are privately-owned while over a quarter are owned, operated and managed by local communities (Figure 101).

In 2016, GIZ and the Government of Uganda (GoU) initiated the Pro Mini-Grids project to open up the mini-grid sector by streamlining institutional processes, lobbying for political and donor support, identifying viable projects and ultimately implementing a sizeable bundle of mini-grid projects to prove the technical and financial potential on ...

After around a decade of technical piloting, financial fine-tuning and regulatory mainstreaming, Uganda now has around 40 operational village-scale systems and is working on the next lot of 100 more, with a view to roll

micro-grids out across the rural areas as the institutional investors get onboard.

Solar micro and mini grids can provide high-quality uninterrupted renewable electricity to underserved villages and communities in rural areas of Uganda and be the least-cost solution to close the energy access gap.

This case study describes the development of the mini-grid framework in Uganda. The framework is particularly interesting because it integrates several of the main ...

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4 ???· The BGFA funding window in Uganda is funded by Denmark and Sweden. Norway will also contribute to the implementation of this project. For further information, please contact: Tina Möller, Programme Manager at Nefco tina.moller@nefcot.no, +358 10 6180 651 Alex Wanume, Country Director at Noa Uganda Alex.Wanume@noauganda.no, +256 78 8882 850

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