

## Microgrid operation mozambique

While the market for mini-grids remains small, there is large potential for mini-grid development. In 2019 FUNAE published the second edition of the Renewable Energy Projects Portfolio (First edition was published in 2017). This portfolio presents the potential hydropower and solar projects in different stages of feasibility studies and fact-finding visits.

Past programmes, such as the Clean Energy Mini-Grids (CEMG) from the UNDP supporting FUNAE and EDM, aided investment in mini-grid projects leading to an increase in FUNAE's portfolios. Several initiatives and government strategies are keeping up the pace of the development of mini-grid projects. Below are some programmes/projects supporting mini-grid development as of 2021:

**BDD Energia Mocambique** A mini-grid development company supported by REACT SSA. BDD Energia's most recent project is the electrification of the Chiloane island in the Sofala Province. The project consists of the construction of a 130 kWp Solar PV mini-grid system to connect 760 households and 29 businesses.

There are emerging companies who use nanogrids to electrify households whose demand is too small for mini-grids but large for a solar home system. One of such companies is the Powerblox who have implemented a swarm grid pilot project in Inhambane Mozambique. This nanogrid connects 30 households using modular solar structure and the system can be upgraded in accordance with future demand. [Read more...](#)

This article provides an overview of policy and regulatory framework for grid interconnection in Mozambique and is targeted at private sector, donor organisations, NGOs, Government bodies and other stakeholders who are interested in getting a deeper understanding of the nano/mini-grid market in Mozambique.

In case of mini-grid termination, the financial compensation for the mini-grid operator is mentioned in the number 7 of article 15 of this regulation<sup>1</sup>;

The new electricity law, Law no. 12/2022 establishes that "In the case of the interconnection of the mini-grid to the National Electricity Grid, the extinction of the respective concession is subject to the regime defined in the regulation"<sup>2</sup>;

This report explains the main barriers to scaling up green mini-grids in Sub Saharan Africa and how developers are overcoming these barriers. It also makes recommendations on how the African Development Bank can support the mini-grid sector.

Mozambique recently presented foreign investors with the opportunity to participate in the development of up to \$500 million in off-grid renewable energy, including mini-grid and microgrid projects, in remote communities across 10 provinces.

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