

Can a microgrid increase solar power in Somaliland?

This project in Somaliland is one of the first in the world to use the company's patented Maximum Inverter Power Tracking (MIPT) technology to increase the share of solar power in microgrids. Hosted by BEC utility, Somaliland's power grid supplying the city of Berbera is being monitored and controlled using microgrid technology.

What is a microgrid in Somaliland?

Somaliland's power grid supplying the city of Berbera, home to the largest port in the horn of Africa, is being monitored and controlled using microgrid technology. The microgrid consists of two solar plants with a total capacity of 8MW, a containerised lithium-ion power storage system with a capacity of 2MWh and three modern diesel generators.

What is the Berbera microgrid?

The microgrid consists of two solar plants with a total capacity of 8MW, a containerised lithium-ion power storage system with a capacity of 2MWh and three modern diesel generators. These were combined in the Berbera Electricity Company (BEC) utility grid.

Does Berbera have a power grid?

Additionally, Berbera has its own airports to which Berbera Electricity Company (BEC) also supplies power. To improve the energy supply, solar photovoltaic power plants are being built in Somaliland to supplement the existing generators, in addition to other measures. But this development poses major challenges for the power grid.



**Somaliland
Microgrid**

Energy

Storage

Smart

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