



# Grid-scale energy storage djibouti

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The system is comprised of 1200kW of Tiger Neo PV modules, three diesel generators, 1.1 MWh of battery storage and inverters, PCS and converter systems, all provided by Jinko.

After completion of the project, diesel power generation will be shortened from 24 hours to 8 hours a day, with the BESS compensating for the naturally intermittent nature of renewable sources, making the electrical system more consistent and reliable. The project will generate an annual 2 million kilowatt-hours of electricity, equivalent to the demand of 2,500 households.

The proposed UNDP-GEF project will address barriers that are specifically related to the investment in decentralized mini-grids. The RE source can be either Solar PV or Wind depending on the resource availability. But because there is still no experience in wind throughout the country, the focus will be on Solar.

Unlocking private sector investment in the sustainable off-grid sector (solar based mini-grids and SHS) for increased access to reliable and affordable electricity to peri urban and rural areas of Djibouti ponent 2: Showcasing Solar-battery mini-grids.

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