



**SolarTech Power Solutions**

# **Kenya substation energy storage**



## Overview

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Who is the implementing agency for the Kenyan battery energy storage system?

The Kenya Electricity Generating Company PLC (KenGen), has been designated to be the Implementing Agency for the Kenyan Battery Energy Storage System (BESS), which is part of the Kenya Green and Resilient Expansion of Energy (GREEN) program, funded by the World Bank.

How many mw can a Kenyan interconnection provide?

While the interconnection has a transfer capacity of up to 2,000MW, transmission system constraints in Kenya currently limit offtake to only 200MW. Urgent investments are needed to address reactive power deficiencies and increase transfer capacity in the Kenya system to reap the full benefits from the interconnection. 4.

Will Kengen implement a 100MW Bess project in 2024?

KenGen has announced that it will implement an initial 100MW BESS project as part of the World Bank funded GREEN program in early 2024. The BESS project has been identified as a possible solution to increased proportion of intermittent energy to the Kenyan power system and energy curtailment during off peak hours.

Where is the Suswa substation located?

The Suswa substation is located in rural Narok County which is home to the Maasai Vulnerable and Marginalized Groups (VMGs) who are the overwhelming majority in the county. The project site being a brownfield poses no adverse risks or impacts to the VMGs' livelihoods, cultures or land.

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