

SolarTech Power Solutions

Rwanda Suifu container substation



**Low Voltage
Lithium Battery**

6000+ Cycle Life



Overview

What is the scope of Rwanda HV lines & substations?

Upgrade and extension of the under-construction Gisagara substation (220/110/30kV) The scope of Rwanda HV Lines & Substations is the design of new overhead TLs which will increase on-grid electricity and will improve the power sector of East Africa. The line will be composed of the TLs of Rukarara-Huye-Gisagara and Kirehe-Rwinkwavu.

How many substations are there in Rwanda?

The transmission system has also eleven 110kV substations, and four 70kV substations that supply all Country. According to the high energy demand the Rwandan generated electricity needs to be transmitted and distributed to the beneficiaries.

How many kV transmission lines are there in Rwanda?

Currently, the Rwandan transmission system is composed of 370 km 110 kV and 70 kV lines linking the southern substation Mururu II to Gikondo as well as the 70 kV line from Jabana to Rwinkavu. The transmission system has also eleven 110kV substations, and four 70kV substations that supply all Country.

What is a containerized mobile substation?

Containerized mobile substations are sheltered and address applications in challenging environmental conditions including areas with high pollution, high humidity, extreme temperatures or sand storms. Containers are easy to transport and fast to install, by reducing foundation works as well as installation and commissioning effort on site.

Does Rwanda have a power shortage?

The Government of Rwanda, in its effort to sustain economic growth, has increased and stabilised the power production since the severe power shortages in 2004. However, infrastructure bottlenecks in the urban areas and

limited access in the rural areas have emerged as a significant constraint.

How many transformer bays are needed for a new substation?

The existing substation is a T-off substation with one transformer bay. The new substation must be designed with three 110kV Incomer Line Bays and one 110kV Transformer bay to allow the connection of NYABARONGO II Hydro-power plant on 110kV network. The substation will have following important parts: Outdoor Switchyard 110kV

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Contact Us

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