

SolarTech Power Solutions

Uganda communication base station wind and solar complementary planning



Overview

Does Uganda have a grid-connected wind system?

Uganda has no grid-connected wind systems. Currently wind power is being used for small scale electricity generation and for special applications, such as water pumping. Of-grid solar and wind hybrid systems are currently operating and supplying power to rural communities in Kotido, Napak and Namayingo districts.

Which power stations in Uganda are used as stand-by power sources?

The two heavy fuel oil thermal power stations Namanve and Tororo are used as stand-by power sources to avoid load-shedding when hydropower generation fails to meet demand. Five sugar manufacturers in Uganda have a total cogeneration capacity of about 110 megawatts, of which about 50 percent is available for sale to the national grid.

Is wind energy available in Uganda?

According to Uganda's renewable energy policy 2007, wind data collected by the country's meteorology department concluded that wind energy is available and sufficient for power generation especially in the south western part districts of Kabaale, Ntungamo, Kisoro and around Mt Elgon, Karamoja areas.

Why is universal energy access important for Uganda?

The Report recognizes that for Uganda, achieving universal energy access is as important as achieving a 100% renewable energy production target. It also recognizes that to be sustainable, the renewable energy solutions presented must address poverty and other social needs as outlined in Agenda 2030 / Sustainable Development Goals.

What is Uganda's Primary energy source?

Concerning the total primary energy consumption, biomass is presently the

most essential energy source for most of the Ugandan populace, accounting for 90% of energy consumed (firewood: 78.6%, charcoal: 5.6%, crop residues: 4.7%) (Norton Rose Fulbright (NRFC), 2015).

What is Uganda's Electricity connections policy?

Uganda Government approved the Electricity Connections Policy 2018-2027 with the aim of scaling up clean energy access throughout the country, with a goal to achieve 60% access to electricity in Uganda.

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