

# **Uganda wind power supporting energy storage standards**





## Overview

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Why should Uganda invest in wind energy?

Apart from being an environmentally friendly and renewable energy resource, development of wind energy could boost economic growth and create jobs. For Uganda, rising energy demand, need to reduce greenhouse gas emissions, and increasing electricity access to rural areas, emerge as rational opportunities to invest in wind energy.

Does Uganda have a wind resource?

Pallabazzer and Sebbit (1998), the only empirical study on wind resources in Uganda, provides an output on wind energy potential and a territorial wind map for Uganda. However, the study was exclusively based on wind data from only 11 sites.

Does Uganda need a wind energy data center?

A primary requirement, in this regard, is wind data availability, which, for Uganda, is deficient, discontinuous, and or is mainly for weather prediction purposes. Per our analysis, the initial step for Uganda is the development of a wind energy data center to collect and analyze wind data parameters across the country.

What are the obstacles to wind energy development in Uganda?

Our assessment reveals that obstacles to wind energy development in Uganda relate to; insufficient wind resource data, inadequate skilled workforce, high initial investment cost, inadequate research and development, weak infrastructure, and unsupportive policies. On this basis, our recommendations are;



## Uganda wind power supporting energy storage standards

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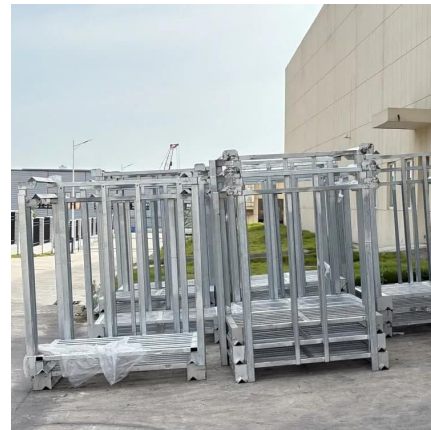


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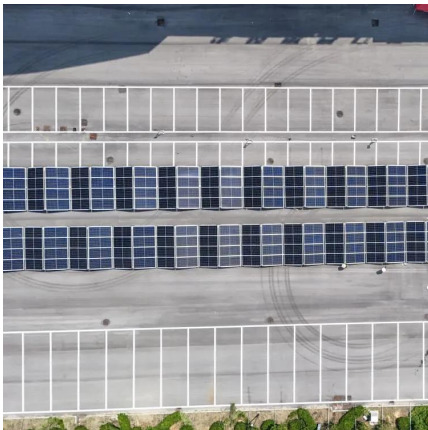
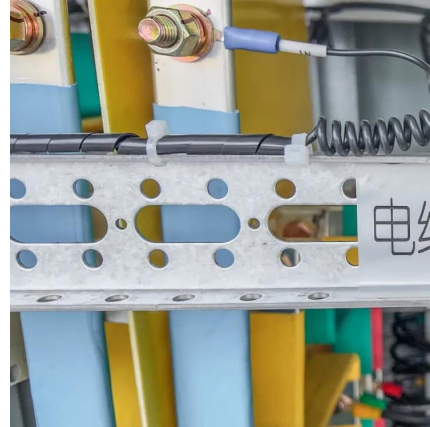
### Energy storage for wind turbines Uganda

A case in point is the Uganda Veteran Wind Power Initiative that supplies between 1000 and 15,000 W of wind power systems to clients at a cost (New Vision,2010). However,the uptake of ...



## ENERGY PROFILE Uganda

Onshore wind: Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area ...



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