Ethiopia s power distribution network automation with low losses

Government initiatives to expand access to electricity in rural areas and mitigate power outages are further fueling the demand for distribution automation systems in Ethiopia, presenting opportunities ...

To realize Ethiopia"s smart grid future, EEP deployed cutting-edge solutions from Huawei such as AI-driven diagnostics and video-based inspection--enhancing the reliability and intelligence ...

This technical article examines the power landscapes of the largest SSA economies -- Nigeria, South Africa, Kenya, and Ethiopia -- with a focus on installed capacity, actual generation ...

The research also offers insights into how successful the proposed solution is at decreasing power losses and voltage variations in the distribution network.

This paper presents a study that considers reconfiguring a given substation"s distribution network at Dilla, Ethiopia, to minimize losses with the help of the Grasshopper Optimization Algorithm and ...

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In this research, network reconfiguration of distribution systems is chosen from a variety of strategies for improving voltage profile and reliability while minimizing power losses and outages in ...

This study aims to maximize distribution network reconfiguration (DNR) using the grasshopper optimization algorithm (GOA), thereby lowering power losses and improving the voltage profile ...

There are numerous indicators in Ethiopia that reveal concerns with electric power transmission line performance, such as power loss, voltage profile issues, and power transfer capability.

In this paper Particle Swarm Optimization (PSO) based simultaneous distribution network reconfiguration and optimal Distributed Generation (DG) integration is conducted to significantly ...

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