



Microgrid Simulation Graduation Project

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This study presents the modeling and simulation of a vehicle-to-grid (V2G) system within a microgrid considering the requirements of various components of the microgrid system such as...

oned literature presented single renewable source micro-grids. The current work presents the simulation of a micro grid model that includes two renewable energy sources; Photovoltaic (PV) and a wind ...

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Not all the complex characteristics of the hybrid microgrids can be studied in a single research project; hence this master thesis focuses only on a specific target case study: sizing, modeling, and ...

This application is a simulation tool for microgrid systems. There are several components that can be configured and simulated, including generators, photovoltaic systems, energy storage systems, ...

This work presents a library of microgrid (MG) component models integrated in a complete university campus MG model in the Simulink/MATLAB environment. The model allows simulations ...

Abstract The thesis presents the design and simulation of a microgrid system for a university community in Nigeria. Firstly, the system sizing and design was done in Homer Pro software where the microgrid ...

There are different types of microgrid applications such as residential microgrids, remote microgrids, industrial microgrids, and many more. This ...

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