

Title: Economic operation of wind solar and energy storage microgrids

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In the upper optimization model, the wind-solar-storage capacity optimization model is established. It takes wind-solar power supply and storage capacity as decision ...

This study focuses on a microgrid system combining wind and photovoltaic power generation, with robust grid integration as the primary output, hydrogen energy storage as the ...

This paper addresses the coordinated optimization of wind-solar-storage systems in microgrids to enhance their operational economy.

Recently, one of the most significant advancements in energy production has been the creation of energy microgrids [1, 2]. These systems are created to serve various ...

To solve this problem, a cultural gray wolf optimization algorithm (CGWO) is applied in this paper. The proposed method's efficiency, convergence, superiority, and ...

Comparing the difference between energy storage without an installation and energy storage with improved algorithm, it is shown that the energy storage configuration of ...

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