Microgrid Optimal Scheduling Algorithm

To address the shortcomings of the traditional honey badger algorithm, such as the slow convergence speed and a tendency to fall into local optima in complex microgrid optimal scheduling ...

The purpose of this paper is to review the progress of intelligent optimal scheduling in new microgrids, and to discuss the technical challenges in multi-energy integration, real-time optimization, ...

A multi-strategy Improved Multi-Objective Particle Swarm Algorithm (IMOPSO) method for microgrid operation optimization is proposed for the coordinated optimization problem of microgrid ...

To address these issues, this paper presents a microgrid scheduling strategy based on the Non--Dominated Sorting Dung Beetle Optimization Algorithm (NSDBO).

To address this problem, a novel two-layer rolling optimization framework for microgrids based on adaptive stochastic model predictive control ...

In this article, we propose a multi-timescale optimal scheduling model that considers the day-ahead scheduling plan and intra-day two-tier rolling ...

This paper proposes a WGAIL algorithm for optimal energy scheduling in microgrids, based on the constructed MDP problem. The algorithm ...

In this paper, we propose to improve the global search capability of the DBO algorithm using a spiral position update strategy, adaptive weight ...

This paper presents an AI-driven day-ahead optimal scheduling approach for a grid-connected AC microgrid with a solar panel and a battery energy storage system.

To achieve efficient and stable microgrid operation, this paper proposes a microgrid cluster optimal scheduling

strategy based on an Improved Particle Swarm Optimization (IPSO) algorithm.

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