

Title: Particle swarm microgrid optimization scheduling

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Compared with PSO, the global search ability of the improved particle swarm optimization (IPSO) algorithm is improved. IPSO is used to optimize the scheduling of the microgrid grid connection model.

To optimize the economic and environmental performance of island microgrids operating in grid-connected mode, this study proposes an advanced scheduling methodology based on an ...

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In order to tackle these difficulties, a framework for dual-objective optimization was developed with the aim of improving both economic efficiency and environmental sustainability in microgrids that ...

This study presented an optimal scheduling framework for a distribution microgrid, integrating various resources, including photovoltaic (PV), wind turbines (WT), micro-turbines (MT), ...

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In this study, we propose a multi-objective particle swarm algorithm-based optimal scheduling method for household microgrids. A household microgrid optimization model is ...

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