Optimal scheduling of solar energy systems

This paper develops an optimal scheduling model for a wind-photovoltaic-storage combined system with a high penetration of renewable energy to leverage the complementary wind and photovoltaic ...

This paper develops an optimal scheduling model for a hydro-wind-solar integrated energy system considering the uncertainties in wind and solar power (WSP) generation.

Utilizing complementary characteristics of solar, wind, and pumped hydro, this paper presents a mixed-integer problem to find optimal scheduling of hydro plants to enhance the market profit.

This paper introduces a new way to plan and manage the use of wind and solar power, along with traditional thermal power (TP) and ...

This paper introduces a new way to plan and manage the use of wind and solar power, along with traditional thermal power (TP) and batteries, to get the most environmental and economic benefits. It ...

This paper presents OPF model for optimal scheduling of solar PV generators (SPVGs), tap changer (TC) and switched capacitor banks (SCBs) in distribution network.

This paper suggests the day-ahead optimal energy scheduling technique of grid-tied residential photovoltaic system in order to conform to the electricity tariff to optimize operational household benefit.

This paper proposes a multi-time scale optimization scheduling method for an IES with hybrid energy storage under wind and solar uncertainties.

A joint optimal scheduling model of a renewable energy regional power grid with an energy storage system and concentrated solar power plant is proposed in this study.

This paper considers the introduction of carbon trading mechanism into power sys-tem optimal scheduling, and the electric energy storage introduction to enhance the power system flexibility to promote the consumption ...

This paper presents an optimal scheduling method based on adaptive hybrid mechanism model (AHMM) and learning-based model predictive control (LMPC).

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