AC DC microgrid based on game theory

Research on the optimal power allocation of large-scale distributed generator (DG) units based on user power generation to access microgrids (MGs) in a multi-agent system framework has ...

In a study by Fu et al. (2020), an energy management framework of a hybrid AC/DC distribution system with MGs is established, and the benefit equilibrium of various entities is obtained ...

To maximize the benefits of microgrid clusters, a general model and analysis method for studying the optimized operation of AC/DC microgrid clusters using non-cooperative games is proposed. This ...

This paper investigates the challenges and potential of high renewable penetration in hybrid AC-DC MGs, analysing the role of demand response programs in system optimization. The ...

In this paper, a two-level optimization model for the day-ahead scheduling of a hybrid AC/DC MEMG considering multiple uncertainties and Stackelberg game-based IDR is proposed.

a multi-stage, non-cooperative, zero-sum game with the attacker and the defender modeled as opposing players. To solve the game, this paper proposes a deep reinforcement learning-based strategy that ...

This paper presents a novel coordinated energy management approach for hybrid AC/DC distribution system with microgrid clusters considering multiple market players, which is modeled as a bi-level ...

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