

In view of the problem of energy wastage and conflicts of interest among multiple microgrid integrated energy systems, it is important to study the operation optimization of microgrid clusters while ...

In this study, an optimization framework of operational trading strategies considering multi-level energy-certificate-carbon market coupling for multi-microgrid systems has been developed.

In order to achieve economic/environmental benefits of the microgrid, a carbon trading mechanism was added to the optimal scheduling model of multi-energy compl

This paper proposes a cooperative optimal scheduling model for a multi-energy complementary microgrid integrated with electric vehicles under a stepped carbon trading mechanism, addressing ...

Based on MEM, a multi-microgrid energy trading mechanism with reputation-based consensus is designed to optimize trading efficiency, mitigate energy imbalances, and ensure ...

It examines state-of-the-art methodologies for optimizing multi-energy dispatch and scrutinizes contemporary strategies within energy markets that contribute to the resilience of power systems.

In this paper, we propose an energy trading model based on the Nash bargaining game to study cooperative benefits between an IES and several EVCSs. The proposed model not only ...

This paper presents an integrated energy management strategy for interconnected microgrids, featuring bottom-layer load scheduling and upper-layer energy dispatch with multi-energy ...

In conclusion, this paper proposes a model for transactive energy trading among multi-microgrids within a distribution network. The proposed model addresses the limitations of existing ...

To address energy optimization issues and meet user consumption demands, this paper establishes an energy operation model incorporating coordinated multi-energy complementarity on ...

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