

To coordinate the use of heterogeneous distributed photovoltaic (HDPV) resource in the distribution network, improve the distribution network power return, and

This approach allows for the allocation of storage capacity to nodes that significantly influence the distribution network parameters within each cluster, thereby reducing the computational ...

For the problem of siting and capacity of PV and energy storage connected to distributed PV distribution network with high penetration rate, a PV energy storage siting and capacity strategy ...

Conventional approaches for distributed generation (DG) planning often fall short in addressing operational demands and regional control requirements within distribution networks. To ...

Targeting voltage regulation in distribution networks with high PV penetration, this study proposes a K-means cluster partitioning strategy that incorporates voltage sensitivity, electrical ...

Base on in-depth analysis of voltage regulation capability of distributed PV system, a novel distributed voltage control strategy is proposed for distribution networks in this paper.

In this paper, a K-means-based PV power station cluster division method is proposed from the dimensions of time, space, and inherent characteristics of power stations. Firstly, based on ...

PV Magazine also reports that this 12.8-GWh cluster is designed to participate directly in the electricity spot market.

In this article, a distributed voltage control method for PV generation clusters is presented to realize decentralized coordination of PV inverters. Based on matrix splitting and approximate Newton ...

In this paper, a distributed photovoltaic cluster collaborative optimization voltage control strategy based on an improved community algorithm is proposed to solve the problem of voltage ...

Web: <https://anaelenaartistapmu.es>