# Intelligent customization of pv distributions



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Taking an edge-computing-based digital substation as an example, this paper proposes a deep neural networks-based voltage regulation strategy for PV-rich distribution networks.

To address the limitations in existing distribution network control strategies, this work focuses on PV-integrated distribution networks and explores the use of controllable distributed ...

This paper analyzes the reasonable management and control of distributed PV under the environment of active distribution network, and uses artificial intelligence method to solve the ...

This study sets its sights on distributed PVs as its research focal point, embarking on an exploration of the planning intricacies inherent in the integration of distributed PV generation into ...

In this paper, a stochastic multi-objective (MO) modeling for the optimal reconfiguration and placement of photovoltaic (PV) systems in distribution networks (DNs) is presented.

Addressing the challenges of integrating photovoltaic (PV) systems into power grids, this research develops a dual-phase optimization model incorporating deep learning techniques.

The review addresses the limitations of traditional distribution network methods and discusses strategies to account for uncertainties at both the generation and consumption ends.

This work aims to determine the best number, location, and size of PV systems to be installed on a distribution feeder, as well as the best control set-points of the PV inverters, to ...

Considering the fluctuation of PV outputs and the robustness of optimization results, this paper proposes an adjustable robust optimization method for large-scale PV planning in smart ...

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Here, a coordinated optimization model for solar PV systems and distribution network voltage regulators is presented.

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