

In this paper are introduced the concept and operation of microgrid, as well as considered the problems and development perspectives of microgrid in Uzbekistan.

This paper conceptualises existing literature on community microgrids, focusing on the representation and inclusion of community preferences, needs and behaviour across the ...

Edge-side services provide new ideas for microgrid operational control, but as the microgrid control structure becomes increasingly large, the cost of configuring edge-side services also grows.

Power quality is a very important issue in a microgrid because it directly affects the operation of a microgrid. In this paper operational behavior of microgrid under various modes and loading ...

In the calculation work, a 10 kV SHFK feeder was selected as a microgrid, which is located in the Uychi district (Namangan region).

The project, scheduled for implementation between 2025 and 2030 by the Ministry of Energy, aims to expand Uzbekistan's distributed energy generation capacity with a focus on rural and underserved ...

This paper analyzes the variations in power flows along the main power transmission lines of the electric power system of Uzbekistan, taking into account the power generation by large PV power ...

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