Latvia microgrid control

This trend will likely lead to more specialized software solutions tailored to specific applications and microgrid configurations. Finally, the increasing use of AI and machine learning in ...

1000EUR. Apartment for rent in Riga city center, in new residental develpoment Club Central Residence. Close to shops, restaurants, gyms, public transport stops. 10 minute walk to old-town. One underground parking lot. The Apartment has ...

To ensure the safe and stable operation of an islanded microgrid (MG) system, it is imperative to evaluate the impact of multiple communication constraints. This study addresses the ...

The control system uses local controllers for each device in the cluster and a dynamic centralized energy management system to coordinate optimally energy dispatch and distribution among ...

The multiagent systems are one of the recent advanced strategies that use multiple autonomous agents, and it is often integrated with other control techniques to ensure optimal performance ...

Brown bears can live over 30 years and have no natural predators in Latvia. At the end of March, in an interview with Latvian Radio"s "Krustpunkt?," Krauze stated that 20-30 years ago there ...

The application of a virtual synchronous generator (VSG) to provide virtual inertia in isolated microgrids has emerged as a promising control strategy for converter-inter-faced renewable ...

The centralized control is one in which central system manages all operations making it efficient but vulnerable to single-point failures [34 - 37]. In decentralized control, each component is ...

This paper proposes an adaptive secondary control strategy for islanded AC microgrids (MGs) using Distributed Stochastic Deep Reinforcement Learning (DSDRL), targeting reliable ...

A comparative analysis of the classical PI and sliding mode control-based designs is conducted under various grid conditions, such as cold ironing mode of the shipboard microgrid, and load variations, considering both the AC and DC loads.

However, in the context of microgrid, the misleading information spread by honeypots will also impact the system performance. This paper proposes an attack-resilient distributed control for ...

This study enhances the buck-boost modular converter topology, also known as the Y-voltage source inverter, by implementing a control strategy that simultaneously manages active power ...

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