

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.

O Instituto Nacional de Petróleos (INP) inaugurou, no dia 11 de Julho, em Luanda, o novo Centro de Formação em Controlo de Poços, Perfuração e Completação (CFWC). O acto representa ...

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 ...

According to refs. 5, 6, 7, 8, a microgrid is regarded as a mini-scale self-sufficient power system. It coordinates various DERs and controllable loads through advanced control and power...

Procedeu-se neste sexta-feira, 11 de julho, em Luanda, a inauguração do primeiro Centro de Formação de Perfuração, Completação e Controlo de Poços (Well Control), por parte do ...

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Abstract The interlinking converter, an important device in a hybrid AC-DC microgrid, undertakes the task of power distribution between the AC sub-microgrid and DC sub-microgrid. To ...

This paper gives a thorough overview of the technological advancements in microgrid systems, focusing on the Internet of Things (IoT), predictive analytics, real-time monitoring, ...

Model predictive control (MPC) has emerged as a powerful control strategy for microgrids due to its ability to handle complex dynamics and optimization problems. This study aims to conduct ...

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 ...

A burocracia no controlo migratório e os custos operacionais do mercado do transporte aéreo retiram "agilidade competitivaa" aos países africanos, considerou esta Quarta-feira, 23, em ...



Luanda microgrid control

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

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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 ...



Luanda microgrid control

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