

Title: Control of power quality in microgrid

Generated on: 2026-05-07 22:56:34

Copyright (C) 2026 ELALMACEN SOLAR. All rights reserved.

-----

Microgrids can include distributed energy resources such as generators, storage devices, and controllable loads. Microgrids generally must also include a control strategy to maintain, on an ...

This comprehensive review paper offers an overview of PQ issues in microgrids, covering various types of PQ disturbances, their key features, and the most relevant PQ standards.

This manuscript presents a Matrix Pencil-based Energy Management Control (MPEMC) approach to improve power quality (PQ) and power flow in grid-integrated solar PV systems.

This paper introduces a hybrid control method designed to address two significant challenges in microgrid (MG) applications: active resonance damping (ARD) and unbalanced voltage ...

It is essential to assess and quantify the MG network's PQ to mitigate the issue. The proposed work investigates the PQ challenges that arise due to the integration of DERs in fully meshed and radial ...

It presents a comprehensive review of the various types of microgrids and the primary obstacles they encounter.

**ABSTRACT** The concept of microgrids (MGs) as compact power systems, incorporating distributed energy resources, generating units, storage systems, and loads, is widely acknowledged ...

To enhance the efficacy, dynamics and power density of the FCs, this research article introduces the hybridization of energy storage technologies like batteries and SCs with fuel cells.

Website: <https://elalmacendelaireacondicado.es>

