

Title: Yang Ping Microgrid

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In this paper, the specific design method of the control strategy is given, and the excellent performance of the controller is verified by test conditions such as micro-source output power ...

This book overviews the development of AC/DC microgrids; explains the microgrid concepts, design and control considerations, discusses operational and technical issues, as well as ...

Island microgrids, as highly flexible and efficient energy systems, provide distinct advantages in integrating renewable energy sources, enhancing energy utilization efficiency, ...

Yang Ping is an academic researcher. The author has contributed to research in topics: Voltage & Microgrid. The author has an hindex of 4, co-authored 6 publications.

Index Terms--Microgrid, frequency stability, multiple-time-scales, microgrid central controller (MGCC), microgrid energy management system (MEMS), stability analysis.

Therefore, this paper proposes a novel control of parallel-operated interlinking converters (ILCs) to integrate power quality compensation, which is able to improve the power quality effectively.

She is currently a Professor with the School of Electric Power Engineering, South China University of Technology, and the Director of the Guangdong Key Laboratory of Clean Energy Technology, South ...

Ensuring the dynamic stability of power converter-dominated microgrids that is robust to a range of load conditions is a significant challenge and essential for ensuring reliability.

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