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Liu dejie ocean microgrid



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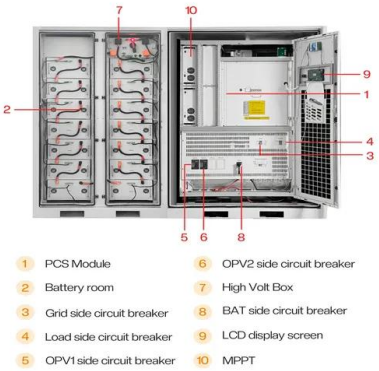
Energy Storage System Configuration for Supporting the Scheduling

A source-storage-load coordinated frequency response model is proposed for offshore microgrid to exploit the advantages of different types of ESS, and the model is converted to convex

An Equivalent Modeling Method for Ocean Microgrid Groups

Chinese Journal of Electrical Engineering, 2011,31 (13) :101-106; Liu Zhiwen, Liu Mingbo. Multi-area reactive power optimization decomposition coordination algorithm based on Ward equivalent [J].





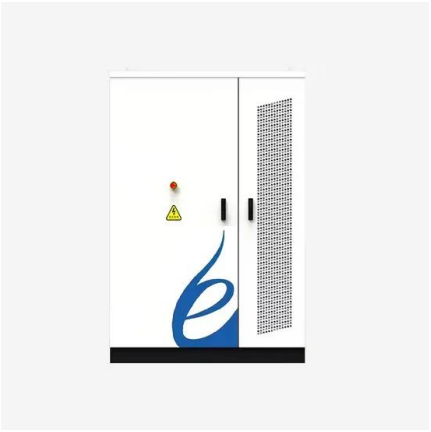
Dejie Liu's research works , Shandong University, Jinan (SDU) and

Dejie Liu's 4 research works with 60 citations and 147 reads, including: Notch-1 signaling regulates astrocytic proliferation and activation after hypoxia exposure

Aalborg Universitet Modeling and Power Quality Assessment in

Last but not least, I would like to give my deepest appreciation to my parents Mr. Liancheng Liu and Mrs. Lanfeng Wang, my wife, Riji Zhao (Diary), my parents-in-law, and all my

family members, for their





Multi-stage stochastic optimization of islanded utility-microgrids

Thus, in order to optimize microgrid reliability during long-term power outages, we propose a multi-stage stochastic program that models the techno-economics of microgrid investment,

Resilience Oriented Topology Design of Underwater Multimicrogrids:

Connecting independent microgrids (MGs) to multi-MGs through a reasonable topology design is beneficial for improving the operational stability and power supply capability of isolated





Protection of the Island Microgrid Based on Ocean Energy

Protection of the Island Microgrid Based on Ocean Energy Abstract: With the continuous development and utilization of Marine resources, the island's developments get more and more attention of the

Microgrid Energy Management with Energy Storage Systems: A

Microgrids (MGs) are playing a fundamental role in the transition of energy systems towards a low carbon future due to the advantages of a highly efficient network architecture for flexible integration of





Stability Analysis of a Microgrid System With a Hybrid Offshore Wind

This paper presents the stability analyzed results of a microgrid system containing an offshore wind farm (OWF), an offshore tidal farm (OTF), and a seashore wave farm (SWF) fed to an onshore power grid

Economic and low-carbon island operation scheduling strategy for

Semantic Scholar extracted view of "Economic and low-carbon island operation scheduling strategy for microgrid with renewable energy" by Yang Liu et al.





Combining SSA-CNN-LSTM photovoltaic prediction model with

Accurate photovoltaic (PV) forecasting and multi-scale dynamic dispatch of energy storage systems are crucial for ensuring stable microgrid operation and optimizing energy management. This

Coordinated Operation of a Green Multi-Energy Ship Microgrid with

Increasing attention has been paid to greenhouse gas (GHG) reduction and energy efficiency improvement in the maritime industry. Thus, this study focuses on the.





A Microgrid Energy Management System and Risk Management

This paper presents a novel energy-management method for a microgrid that includes renewable energy, diesel generators, battery storage, and various loads. We assume that the

Framework for integrating ocean wave power into maritime microgrids

The present study develops a framework and methodology for integrating ocean wave power into maritime microgrids operating on hybrid renewable energy systems. It investigates the





CMC , Optimizing Microgrid Energy Management via DE-HHO Hybrid

Optimizing Microgrid Energy Management via DE-HHO Hybrid Metaheuristics Jingrui Liu 1,2,*, Zhiwen Hou 1,2, Boyu Wang 1,2, Tianxiang Yin 3,4 1 Chongqing University-University of

Multi-objective capacity optimization configuration of island microgrid

In response to the actual demand of Weizhou island, this paper proposes a new multi-energy complementary water and electricity co-generation system consisting of wind farm, photovoltaic



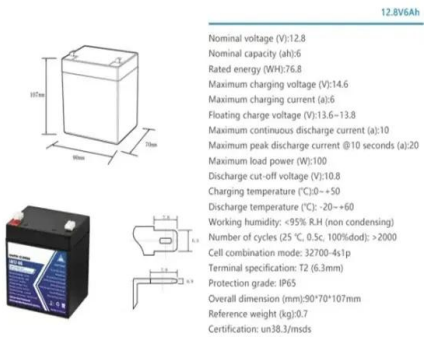


Stability analysis of a microgrid system with a hybrid offshore wind

Request PDF , On Oct 1, 2017, Li Wang and others published Stability analysis of a microgrid system with a hybrid offshore wind and ocean energy farm fed to a power grid through an HVDC link

Dejie Li's research works , Tsinghua University, Beijing (TH) and other

Dejie Li's 35 research works with 651 citations and 1,567 reads, including: Electron Emission from Amorphous Carbon Nano-Islands Capped with C-W Films





Framework for integrating ocean wave power into maritime microgrids

The resilience of microgrids, which is crucial for maintaining a stable and reliable power supply, has become increasingly important in the face of rising energy demands and the growing threat of

Multi-objective capacity optimization configuration of island microgrid

In response to the actual demand of Weizhou island, this paper proposes a new multi-energy complementary water and electricity co-generation system consisting of wind farm,





Real-time optimal energy management of microgrid with uncertainties

Robust optimization of microgrid based on renewable distributed power generation and load demand uncertainty Energy (2021) I. Gomes et al. A novel microgrid support management

Energy scheduling optimization of a renewable-powered microgrid

Jingjing Hou, Jiaxi Xia, Mengfei Liu, Juewei Lou, Jiangfeng Wang; Energy scheduling optimization of a renewable-powered microgrid with load and generation forecasting enabled by a





A review of microgrid development in the United States - A decade of

Author(s): Feng, Wei; Jin, Ming; Liu, Xu; Bao, Yi; Marnay, Chris; Yao, Cheng; Yu, Jiancheng , Abstract: Microgrids have become increasingly popular in the United States. Supported by favorable federal

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