

SOUTHWEST JIAOTONG UNIVERSITY

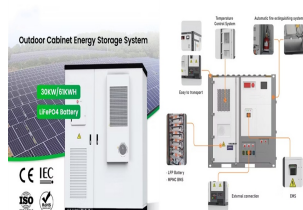
MICROGRID



Southwest Jiaotong University Microgrids have emerged as a promising solution to integrate distributed energy resources (DERs) and supply reliable and efficient electricity. The operation of a



Zeliang Shu's 74 research works with 1,538 citations and 6,049 reads, including: Transient response improvement of half-bridge LLC resonant converter with full-bridge rectifier for DC microgrid



School of Electrical Engineering, Southwest Jiaotong University - Cited by 8,085 - Renewable Energy Grid-connected Power Generation technology - Fuel Cell Hybrid Power System - Optimization and Control of Integrate Hierarchical Energy Management for PV/Hydrogen/Battery Island DC Microgrid.
YHGZQLZYWCH Liu



CHEN Weirong, YU Jin, LI Qi, et al. Balanced current control method for virtual synchronous generator in electro-hydrogen multi-energy complementary microgrid[J]. Journal of Southwest Jiaotong University, 2019, 54(6): 1323-1331. doi: 10.3969/j.issn.0258-2724.20180860 [17] ,,,



CHEN Weirong, YU Jin, LI Qi, et al. Balanced current control method for virtual synchronous generator in electro-hydrogen multi-energy complementary microgrid[J]. Journal of Southwest Jiaotong University, 2019, 54(6): 1323-1331. doi: 10.3969/j.issn.0258-2724.20180860

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Journal of Southwest Jiaotong University, 2021, 56(3): 640-649. doi: 10.3969/j.issn.0258-2724.20200163. et al. Balanced current control method for virtual synchronous generator in electro-hydrogen multi-energy complementary microgrid[J]. Journal of Southwest Jiaotong University, 2019, 54(6): 1323-1331.



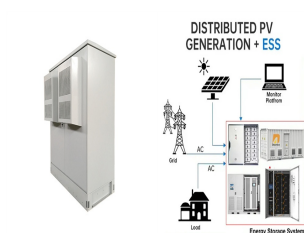
Journal of Southwest Jiaotong University, 2019, 54(6): 1323-1331. doi: 10.3969/j.issn.0258-2724.20180860. Balanced Current Control Method for Virtual Synchronous Generator in Electro-Hydrogen Multi-Energy Complementary Microgrid[J]. Journal of Southwest Jiaotong University, 2019, 54(6): 1323-1331.



???Professor, School of Electrical Engineering, Southwest Jiaotong University??? - ??????Cited by 10,038?????? - ???Fuel Cell-based Hybrid Power System??? Two-level energy management strategy for PV-Fuel cell-battery-based DC microgrid. Y Han, W Chen, Q Li, H Yang, F Zare, Y Zheng. International Journal of Hydrogen Energy 44 (35), 19395



Aiming at the microgrid with demand response, the adaptive uncertainty sets???based two???stage robust optimisation method is established in this study. The coordination of micro???gas turbine, en

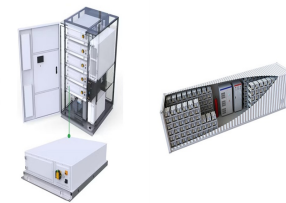


An AC/DC microgrid integrating renewable energy sources and electric-hydrogen hybrid energy storage system (HESS) can play a vital role in the future low-carbon society. Owing to the nonlinear and

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Josep M. Guerrero Director, Center for Research on Microgrids, Aalborg University, Denmark Verified email at energy.aau.dk. Yifei (Frank) Song Wensheng () Professor Southwest jiaotong University () Verified email at swjtu .cn. Marco Liserre Professor/Head of the Chair of Power Electronics,



Qiang Bi's 6 research works with 19 citations and 195 reads, including: Online Reactive Power Minimization and Soft Switching Algorithm for Triple-Phase-Shift Modulated Dual Active Bridge Converter



Ping Yang's 60 research works with 472 citations and 2,470 reads, including: A Multi-Frequency PCCM ZVS Modulation Scheme for Optimizing Overall Efficiency of Four-Switch Buck-Boost Converter with



It was the CSC Scholarship program in 2018 that opened a new door for me to start studies abroad in one of the oldest and well-known university of China i-e Southwest Jiaotong University (SWJTU), China.I chose to study Computer ???



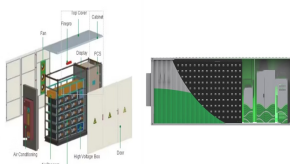
???School of Electrical Engineering, Southwest Jiaotong University??? -
 ??????? 1/4 ?8,085 ?????? - ???Renewable Energy Grid-connected
 Power Generation technology??? - ???Fuel Cell Hybrid Power System???
 - ???Optimization and Control of Integrate??? Hierarchical Energy
 Management for PV/Hydrogen/Battery Island DC Microgrid



Song Wensheng () Professor Southwest jiaotong University () Verified email at swjtu .cn. Li Ding HIT Verified email at hit .cn.
Communication-free power management strategy for the multiple DAB-based energy storage system in islanded DC microgrid. N Hou, Y Li.



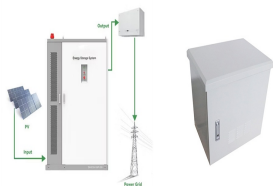
The multi-objective optimal control problem of micro-grid is usually described by high dimensional nonlinear differential equations, which cannot be solved satisfactorily by current mathematics method. Hybrid control method is proposed to achieve multi-objective optimal control of micro-grid. A Stateflow model was established, which can output control ???



Southwest Jiaotong University. Verified email at my.swjtu .cn. Fuel cell Energy management Stability analysis. Articles Cited by Public access. Title. Sort. Sort by citations Sort by year Sort by title. 2019 IEEE Third International Conference on DC Microgrids (ICDCM), 1-6, 2019. 9: 2019:



Southwest Jiaotong University In a DC microgrid, a bidirectional DC-DC converter is an essential link between voltage bus and energy storage system (ESS). When galvanic isolation and high



Control Method for Active Power in Electric-Hydrogen Hybrid Energy-Storage Microgrids. LI Qi, LI Ruirui, LI Shuo, PU Yuchen, SUN Cai, CHEN Weirong; School of Electrical Engineering, Southwest



(Southwest Jiaotong University), "", ""??? "211" ??? "985", ??? "2011" ??? "111" ?????????? ???



A high-power converter for electrolytic hydrogen production based on DC microgrid Chunming Tang, Chunjiang Zhang, Linan Zhang, Fuxi Wang, Ping Yang Southwest Jiaotong University; Zeng Liu Xi'an Jiaotong University Paper ID: N0063 Paper Session ID: DE9.92 Research on DC/DC Converter Based on Piezoelectric Resonator



The **Journal of Southwest Jiaotong University**, established in 1954 and published by Southwest Jiaotong University, is a prestigious academic journal in the fields of science and engineering. Building on the legacy of its predecessor, "The Tangshan Engineering College Magazine," which began in 1919, it is one of China's oldest scientific publications.