
This book focuses on control techniques for LCL-type grid-connected inverters to improve system stability, control performance and suppression ability of grid current harmonics.

2022, she has been a tenure-track Associate Professor with Hohai University, Nanjing, China. Her research interests include modeling and control of grid ...

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A Real-Time Computation Method With Dual Sampling Mode to Improve the Current Control Performance of the LCL-Type Grid-Connected Inverter. IEEE Trans. Ind. Electron. 62 (7): ...

With the remarkable growth of renewable energy resources, the grid-forming (GFM) inverter with the function of grid voltage/frequency support attracts much attention.

Direct Realization of Digital Differentiators in Discrete Domain for Active Damping of LCL-Type Grid-Connected Inverter Pan, Donghua; Ruan, Xinbo; Wang, Xuehua Published in: IEEE ...

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