

Active power electronic transformer as a power conditioner for nonlinear loads [Electronic resource]

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Active power electronic transformer based on modular building blocks

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A control strategy for a grid-connected PV system with unbalanced loads compensation

Fernao Pires, Vitor; **Husev, Oleksandr; Vinnikov, Dmitri;** Martins, Joao 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 154-159 : ill <https://doi.org/10.1109/CPE.2015.7231065>

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Development of realtime co-simulation platform harnessing consumer energy flexibility through an aggregator to provide grid support

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Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices

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Enhancing PV hosting capacity and mitigating congestion in distribution networks with deep learning based PV forecasting and battery management

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Hybrid Attention-Based LSTM and XGBoost Model for Short-Term Residential Load Forecasting

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Hybrid low-power Wind Generation and PV grid-connected system with HPC, PC and MPPT control

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New operation strategy for a grid-connected three-phase three-level NPC qZS inverter based on power losses

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Three-phase three-level neutral-point-clamped qZ source inverter with active filtering capabilities

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