
Mallik, Majmunovic, Dutta, Seo, Maksimovic, Johnson, "Control design of series-connected PV-powered grid-forming converters via singular perturbation" TPEL, 2022.

In order to integrate PV inverters of different capacities connected in series into the grid, and enable them to achieve maximum power point tracking (MPPT) independently, an ...

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Decentralized reactive power management leverages the reactive power capabilities of the inverters associated with solar generators, to support local voltage control ...

In order to integrate PV inverters of different capacities connected in series into the grid, and enable them to achieve maximum ...

Motivated by the aforementioned challenges, we propose a decentralised data-driven control approach to coordinate mul-tiple PV inverters as a cluster for dynamic voltage support, ...

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Solar inverter decentralized control

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