Title: PQ control of grid-connected inverter
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Abstract--The increasing penetration of inverter-based re-sources (IBRs) calls for an advanced active and reactive power (PQ) control strategy in microgrids.

Hence, this paper aims to assess the performance of a centralized single-stage grid-tied three-level diode clamped inverter connected to a PV-Fuel cell unit. An active and ...

Strategy II has a larger P-Q capability with low PCC voltages and can maintain stability during fault ride-through. Strategy I can maintain stability only when the voltage is not less than a ...

There is a rising interest in optimizing the regulation of active-reactive power control (P-Q) for a Microgrid (MG) running in grid-connected mode. This study presents the ...

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