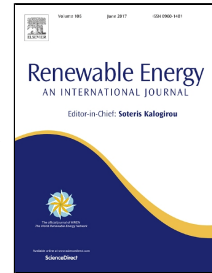


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Design and experimental investigation of digital model predictive current controller for single phase grid integrated photovoltaic systems



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Highlights

- A dual stage single phase grid integrated photovoltaic inverter system is modelled and simulated with input side maximum power point tracking controller and grid side controller.
- A digital model predictive current controller with delay compensation technique for single phase grid tied voltage source inverter is proposed.
- Proposed control algorithm is implemented on hardware platform using low cost digital signal processor.

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