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## Three phase three layer phase synchronous inverter for microgrid system

(Conference Paper)

Rahman, T. [✉](#), Ibrahimy, M.I., Motakabber, S.M.A., Mostafa, M.G.

[View additional authors](#) [v](#)

Dept. of Electrical and Computer Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia

[View additional affiliations](#) [v](#)

### Abstract

A three phase three layer phase synchronous inverter is a highly efficient, simple switching control of the power management system. Compared to conventional inverters, its output-waveform has less harmonic distortion. The phase synchronous inverter is designed using well-established theory and used in micro grid power systems. The switching logic control, phase synchronization, low pass filter and DC source coupling for the inverter have been described in details in this paper. This study may be useful to the researchers for finding the relevant references, especially in the fields of three phase three layer phase synchronous inverter. © 2014 IEEE.

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