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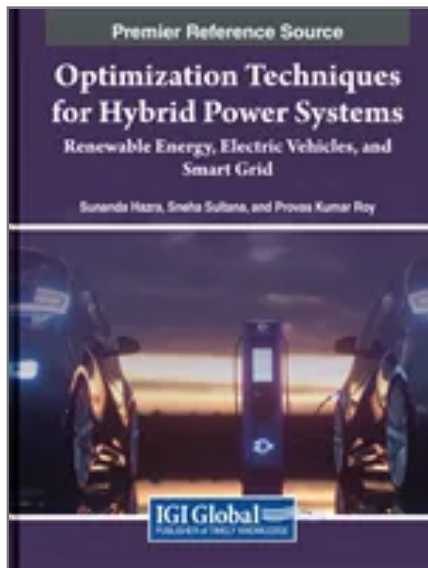
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# Performance of Microturbine as in Microgrid Comparison With Fuel Cell

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## Abstract

As is well known, a microgrid is a small grid made up of a single or multiple conventional or unconventional power sources. In this case, the primary generator is a microturbine (MT), which may or may not be connected to the main grid. The authors talked about modelling several kinds of micro turbines when using MATLAB® Simulink® to implement mathematical modelling of the split-shaft kind. The behaviour of a MicroGrid (MG) operating in an island mode with MT and SOFC as the sources can be described using existing models. Although