Abstract

Wind power as one of a greatly developed distributed generation techniques is gaining increasing significance throughout the world. Switched Reluctance Motor when operated as Generator is proved to be a real alternative to conventional variable speed drives in many applications, especially in the extraction of maximum energy in wind energy generation system with the variable wind speeds. This paper reviews the technology status and recent trends of switched reluctance generator covering the various aspects of Modeling, Design, Simulation, Analysis and Control.

Reference

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Index Terms

Power Electronics

Switched Reluctance Generator

Key words

Switched Reluctance generator

Variable speed drives

wind power Generation