

عنوان مقاله:

Effects of STATCOM on SEF-DFIG Operation in Wind Energy Conversion Systems

محل انتشار:

اولین کنفرانس بین المللی دستاوردهای نوین پژوهشی در مهندسی برق و کامپیوتر (سال: 1395)

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نویسندگان:

Mehrdad Fazli - *Iran Grid Management Company Tehran, Iran*

Mehrdad Moradi - *Iran Grid Management Company Tehran, Iran*

Mostafa Rajabi Mashhadi - *Iran Grid Management Company, Tehran, Iran And Sadjad university of technology
Mashhad, Iran*

خلاصه مقاله:

The Doubly Fed Induction Generator (DFIG) is currently the most popular machine topology for wind energy conversion systems (WECS) applications. New configuration of DFIG is single external feeding of doubly fed induction generator (SEF-DFIG) where a rotor side converter (RSC) supersedes the back to back Variable Frequency Converter in the conventional DFIG. This paper, investigates the effect of Static Synchronous Compensator (STATCOM) application on SEF-DFIG operation in WECS. The simulation has been done in PSCAD/EMTDC framework.

کلمات کلیدی:

wind turbine; Single External Feeding of DFIG (SEF-DFIG); Doubly Fed Induction Generator (DFIG); STATCOM

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