



Power Improvement of DFIG Wind Turbine Systems Connected to Grid using Buck Boost Converter

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GRIN Verlag GmbH Jul 2014, 2014. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Scholarly Research paper from the year 2014 in the subject Engineering - Power Engineering, grade: 6.8, , language: English, abstract: This paper proposes an application of Buck booster enhancement which is capable of smoothening the power of doubly-fed induction generator (DFIG) wind turbine systems feed to the grid. A grid-side converter (GSC) is used to preserve the DC-link voltage. Other side, a rotor side converter (RSC) is used to maintain the active and reactive powers of DFIG-Wind Turbine system. This analysis is made to analyze the active power sharing between the DFIG and the grid. This whole system is simulated in the MATLAB Simulink environment. 12 pp. Englisch.



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