



Grid Code Testing By Voltage Source Converter

By Abdullah Al Mahfazur Rahman

LAP Lambert Academic Publishing Aug 2012, 2012. Taschenbuch. Book Condition: Neu. 211x149x10 mm. This item is printed on demand - Print on Demand Neuware - The wind power penetration is increasing tremendously. To integrate this huge amount of energy contribution from wind farms into our current electrical system is a big challenge for both power system planners and operators because of different behavior of wind power plants than the conventional power plants. It is required from the wind power plants that it should contribute in grid support such as frequency, voltage and reactive power control and it should behave as a conventional power plant during normal and abnormal conditions. For this reason transmission system operators (TSO) of different countries have issued grid codes for wind power plants to operate them in conventional way. This project explains a way to test wind turbines grid code requirements to act like a conventional power plant. The entire project is simulated in PSCAD/EMTDC. 84 pp. Englisch.



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