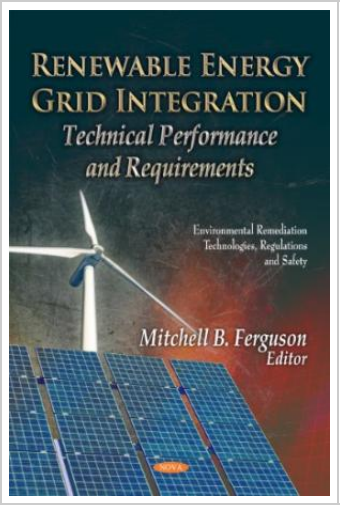

Renewable Energy Grid Integration: Technical Performance & Requirements (Hardback)

By -

Nova Science Publishers Inc, United States, 2011. Hardback. Condition: New. UK ed. Language: English. Brand new Book. Now is the time to plan for the integration of significant quantities of distributed renewable energy into the electricity grid. Concerns about climate change, the adoption of state-level renewable portfolio standards and incentives, and accelerated cost reductions are driving steep growth in U.S. renewable energy technologies. The number of distributed solar photovoltaic (PV) installations, in particular, is growing rapidly. As distributed PV and other renewable energy technologies mature, they can provide a significant share of our nation's electricity demand. However, as their market share grows, concerns about potential impacts on the stability and operation of the electricity grid may create barriers to their future expansion. This book describes the Renewable Systems Interconnection (RSI) that the U.S. Department of Energy launched in 2007 to facilitate more extensive adoption of renewable distributed electric generation. The technical and analytical challenges that must be addressed to enable high penetration levels of distributed renewable energy technologies are also addressed in this book. Because integration-related issues at the distribution system are likely to emerge first for PV technology, the RSI study focuses on this area. This is an edited,...

Reviews

Thorough manual for ebook fans. it had been writtern quite properly and valuable. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Dr. Catherine Wehner***

Absolutely among the best book I have possibly go through. I have go through and that i am certain that i am going to gonna read through once again again in the future. I am just delighted to tell you that this is basically the finest book i have got go through within my personal existence and could be he finest book for ever.

-- ***Brian Bauch***