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By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Original publisher: Golden, CO: National Renewable Energy Laboratory, 2010 OCLC Number: (OCoLC)586163331 Subject: Wind turbines -- Testing. Excerpt: . . . The turbine safely brings the rotor down to an idling speed under any wind condition. This behavior is consistent with the manuals statement that the system can be shut down at any wind speed. In addition to the automatic shutdown the controller performed, NREL also performed shutdowns by pushing the stop button on the voltage clamp. The turbine safely brought the rotor down to an idling speed any time this was performed. Behavior upon excessive vibration The turbine has no means to sense excessive vibration or to shut down should excessive vibration occur. The IEC turbine design standards require such sensors on large turbines but m2 not on turbines smaller than 200. Behavior upon loss of load When the inverters sense a grid fault, they disconnect from the grid. The voltage clamp then applies the brake. NREL tested for this by opening the disconnect switch between the ARE subpanel and panel 3-3L. This test took place on November 5, 2008 in winds of about 12...



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