

- [6] *IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems*, IEEE Standard 1547.1-2005.
- [7] *IEEE Recommended Practice for Emergency and Standby Power Systems for Industrial and Commercial Applications*, IEEE Standard 446-1995.
- [8] IEC 60050 International Electrotechnical Vocabulary [Online]. Available: <http://std.iec.ch/iev/iev.nsf>.



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