

Electric Power Systems Research is an international medium for the publication of original papers concerned with the generation, transmission, distribution and utilization of electrical energy. The journal aims at presenting important results of work in this field, whether in the form of applied research, development of new procedures or ...

Mission statement: The International Journal of Electrical Power & Energy Systems (JEPE) is an international journal for dissemination of the newest technologies and theoretical research in the area of electrical power and energy systems, aiming at inspiring interdisciplinary research across academia and industry and contributing to the ...

The modern-day electric distribution systems are undergoing a paradigm shift toward bidirectional power flow with DERs located behind and in front of the meter. Utilities are facing different challenges on various fronts, from system studies to operations. ... As a result, more research and better power system models are needed to review and ...

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Electric Power Systems Research. Volume 202, January 2022, 107599. ... 8.42% and 8.78% for 40% and 50% technical minimum in Q1 and Q4, respectively. Contrarily, system operating cost increased with increase in RE share for Q2. In Q3, at 50% RE integration, increase in operating cost is observed. This is primarily due to RE curtailment.

Electric Power Components and Systems. Electric Power Systems Research. IEEE Power and Energy Magazine. IEEE Transactions on Power Delivery. Electra. IET Generation, Transmission and Distribution. International Journal of Electrical Power and Energy Systems. International Transactions on Electrical Energy Systems

and fast changes to power systems. The purpose of incorporating re-newable energy such as photovoltaic (PV) system on the smart grid is to increase system reliability, reduce unrestored areas after fault in dis-tribution

systems and improve system conditions as well as environmental and energy concerns. The rapid growth in integrating PV system

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electrical power system at a Nuclear Research Reactor (NRR) during a certain period using multiple measures for the most decisive PQ phenomena. It focuses on a number of the most important PQ

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Electric Power Systems Research is a peer-reviewed scientific journal covering research on new applications of transmission, generation, distribution and uses of electric power. Its current editor-in-chief is Maria Teresa Correia de Barros. According to the Journal Citation Reports, the journal has a 2010 impact factor of 1.396. [1]

Electric power systems have been planned, constructed, and operated to supply electricity to the general public by regulated utilities. As regulated entities, these utilities are allowed to recover their capital investments and operating costs for supplying electricity, with an allowance for reasonable returns by collecting revenues from customers in the form of electric ...

The impact of these changes in the distribution system as a whole is evaluated from a technical and environmental perspective. In addition, a review of management and control architectures designed for distribution systems is conducted. This article is categorized under: Energy Infrastructure > Systems and Infrastructure

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