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Paper Title	*Generation and Distribution System with Flexibility of Power– A Review*
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Abstract & Keyword	*Abstract Distributed power generation is the latest field because of the ability to accommodate various types of Renewable/alternative energy sources, its hidden potential to improve the energy efficiency and power system capability, and its promise for power reliability and security. Many distributed energy sources exists such solar energy, fuel cell, micro turbine, and wind energy. Distributed power generation concept has been implemented in various places with various degree of complexity. A comprehensive review on the distributed power generation is presented in this paper.* *Keywords—Distributed generation, renewable energy sources*
Paper Download Link	https://ijemmr.co.in/wp-content/uploads/2023/12/IJEMMR_Nov_paper1new.pdf
Paper Title	*Power Quality Enhancement Using a Custom PowerDevice: UPQC*
Authors & Affiliation	*1Prashant Kumar, 2*Dr. Geetam Richhariya and, 3Abhishek Yadav 1M.Tech Scholar,2,3Associate Professor, B.Tech Student 1,2,3Oriental Institute of Science & Technology, Bhopal, Madhya Pradesh, India.*
Abstract & Keyword	*ABSTRACT Power Quality (PQ) has long been a source of concern for utilities of all kinds. The advancement of power electronic gadgets has had a significant influence on the quality of electric power supply. The operation of nonlinear loads creates harmonics, which affects the quality of the distribution system. In such instances, both utilities and end consumers are worried about power quality. This impliesthat enhancing power quality involves just a few activities. This study focuses on UPQC, which is a mix of series and shunt active power filters. The series APF is used to reduce voltage-based distortions, while the shunt APF is used to reduce current-based distortions. UPQC simultaneously and independently reduces voltage- and current-based aberrations. UPQC enhances power quality by correcting harmonics as well as load current, resulting in sinusoidal source current and load voltage at the optimal voltage level. MATLAB/Simulink was used to simulate the series*

	APF, shunt APF, and UPQC. Keywords: Power System; Power Quality; Unified Power Quality Conditioner (UPQC); Series-APF; Shunt-APF;Voltage Source Inverter (VSI); Total Harmonic Distortion (THD)..
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