

Hydroelectric Power Collection: VuSpec™

Represents the most complete resource available for professional electrical engineers, manufacturers, consulting firms, government institutions, utilities, and owners of existing or new hydroelectric power facilities. Includes the complete collection of IEEE Standards sponsored by the Hydroelectric Power Subcommittee of the IEEE Power Engineering Society's Energy Development & Power Generation Committee, as well as two related standards and four essential archived standards. Also includes a hyperlinked Foreword by the IEEE Hydroelectric Power Subcommittee describing the intent and application of the standards collection, as well as a Bibliography of over 85 recommended reference papers, with 8 of the most essential papers included.

Included are numerous referenced works written about machine design, control features, plant layouts, and unique applications such as underground powerhouses and pumped storage projects.

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- IEEE Std 125-1988, IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators
- IEEE Std 492-1999, IEEE Guide for Operation and Maintenance of Hydro-Generators
- IEEE Std 666-2007, IEEE Design Guide for Electric Power Service Systems for Generating Stations
- IEEE Std 810-1987, IEEE Standard for Hydraulic Turbine and Generator Integrally Forged Shaft Couplings and Shaft Runout Tolerances
- IEEE Std 1010-1987, IEEE Guide for Control of Hydroelectric Power Plants
- IEEE Std 1010-2006, IEEE Guide for Control of Hydroelectric Power Plants
- IEEE Std 1020-1988, IEEE Guide for Control of Small Hydroelectric Power Plants
- IEEE Std 1095-1989, IEEE Guide for Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications
- IEEE Std 1147-1991, IEEE Guide for the Rehabilitation of Hydroelectric Power Plants
- IEEE Std 1147-2005, IEEE Guide for the Rehabilitation of Hydroelectric Power Plants
- IEEE Std 1207-2004, IEEE Guide for the Application of Turbine Governing Systems for Hydroelectric Generating Units
- IEEE Std 1248-1998, IEEE Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants
- IEEE Std 1249-1996, IEEE Guide for Computer-Based Control for Hydroelectric Power Plant Automation

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- LEHOCZKY: Waved Core Lamination Techniques on Large and Bulb Hydroelectric Machinery
- PAUL, KERMIT: Design features of the Helms pumped storage project
- EILTS & SCHLEIF: Governing Features and Performance of the First 600 MW Hydrogenerating Unit at Grand Coulee
- GURNEY: Control and Protection Design of the Revelstoke Hydroelectric Project
- DE MORAES, RODRIGUEZ VILLALBA & SALATKO: Electrical and Related Design Aspects of ITAIPU Hydroelectric Project (Brazil and Paraguay)
- MOORE: Experience with Large Hydro-Generators at Grand Coulee
- HANDEL: Electrical Design of the Revelstoke Hydroelectric Project
- DE MORAES, RODRIGUEZ VILLALBA & SALATKO: Selection of Design Features for 737 and 823 MVA Hydrogenerators for ITAIPU Hydroelectric Project (Brazil and Paraguay)

Bonus Feature:

- Bibliography of Recommended IEEE Hydroelectric Papers