

Power System SCADA and Smart Grids

A Comprehensive Guide to Monitoring, Control, and Cybersecurity

Power System SCADA and Smart Grids is a comprehensive guide to the latest advances in power system monitoring, control, and cybersecurity. Written by leading experts in the field, this book covers everything you need to know about the design, implementation, and operation of modern power systems.



Power System SCADA and Smart Grids by Mini S. Thomas

★★★★☆ 4.5 out of 5

Language : English
File size : 19360 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 548 pages



This book begins with an overview of the fundamental principles of power system SCADA and smart grids. It then discusses the design and implementation of SCADA systems, including the selection of hardware and software, the design of communication networks, and the development of control strategies.

The book also covers the latest advances in smart grid technologies, including the use of renewable energy sources, distributed generation, and

demand response programs. It also discusses the challenges of integrating these technologies into the existing power grid.

Finally, the book covers the important topic of cybersecurity for power systems. It discusses the threats to power systems from cyberattacks and the measures that can be taken to protect against them.

Power System SCADA and Smart Grids is a comprehensive and up-to-date reference for anyone involved in the design, implementation, or operation of power systems. It is also a valuable resource for students and researchers in the field of power engineering.

Key Features

- Covers the latest advances in power system monitoring, control, and cybersecurity
- Written by leading experts in the field
- Provides a comprehensive overview of the design, implementation, and operation of modern power systems
- Includes discussion of renewable energy sources, distributed generation, and demand response programs
- Covers the challenges of integrating smart grid technologies into the existing power grid
- Discusses the important topic of cybersecurity for power systems

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