

Contents

- 1 Electric Power Generation: Non-Conventional Methods 1
- 2 Electric Power Generation: Conventional Methods 25
- 3 Transformers 63
- 4 Transmission System 97
- 5 Substations 201
- 6 Distribution Systems 237
- 7 Electric Power Utilization 315
- 8 Power System Analysis and Simulation 403
- 9 Power System Protection 403
- 10 Power System Transients 447
- 11 Power System Dynamics and Stability 603
- 12 Power System Operation and Control 685
- 13 Power System Planning (Reliability) 747
- 14 Power Electronics 815
- 15 Power Quality 881