2024 IEEE PES 16th Asia-Pacific Power and Energy Engineering Conference (APPEEC 2024)

Nanjing, China 25-27 October 2024

Pages 1-620



IEEE Catalog Number: ISBN:

CFP24PEE-POD 979-8-3503-8613-4

Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP24PEE-POD

 ISBN (Print-On-Demand):
 979-8-3503-8613-4

 ISBN (Online):
 979-8-3503-8612-7

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

Research On Automatic Unattended Bill Collection, Paste And Verification Integrated Robot Equipment And Control Platform Based On Deep Convolutional Neural Network A multi-objective optimization strategy for V2G-based scaled electric vehicle in distribution system with various PV penetration Optimization configuration method for feeder automation considering the balar of reliability and economy	es 6 nce
A LADRC and Self-Adaptive Combination Control Method of VSG for Transient	
Stability Enhancement During Voltage Sag Compensation	. 15
Assessment of Load Security Margin of Transformer electric Charging Station	20
Research on Source-Grid-Load-Storage Coordination Planning Method of	. 20
Centralized-Distributed Form	. 24
Loop Simulation	. 29
Online Masked Transfer Learning with Cell Stat Enhanced LSTM: Application in Photovoltaic Power Forecasting and data completion	
converter	39
Asymmetric Fault Ride-Through Optimal Control of Direct-Drive Wind Turbine Based on the APLL	
Torsional Oscillation Characteristic Analysis of the PMSG-based Wind-driven	
System Considering VIC	. 49
Considering VIC	. 54
Optimization of AC Filter for Offshore Wind Power Transmission System via 24- Pulse Diode Rectifier	
Construction and Application of Cyber Attack Simulation Platform for Power Systems	. 64
Variable Frequency and Dual Phase Shift Segmented Control Strategy of CLLC Resonant Converter for On-Board Charger	
Predicting Electric Power Demand in China Based on HS-GM Model	
Complementary Scheduling of Cascade Hydropower Stations and Photovoltaic Power Considering Daily Regulating Hydropower Stations	er
Comparative Study on Interharmonics Mitigation for Grid-connected PV Systems	
Comparison of Adaptive Virtual Impedance Coefficient to Suppress Power Oscillation in Multi-VSG Grids	
Layered and Distributed Voltage Optimization for High and Medium-Voltage	
Distribution Networks with High Penetration of PV	

Impedance GatheringState of Health Estimation of Microgrid Energy Storage Batteries Based on An	98
Improved Temporal Convolutional Network	103
Resilience-Oriented Robust Scheduling for Multi-energy Microgrids with	
mportance based Load Classification	108
Development and Validation of a Partial Discharge Simulation Platform for	
Transformer Insulation Monitoring	113
ntegrated Ultrasonic and Electrical Sensor for Partial Discharge Detection i	
Power Transformers	117
Research on Fault Diagnosis Method for Wireless Power Transfer Systems Based PSO-SVM	
Load Aggregator Pricing Strategy Considering Demand Response Capability in Provincial Power Grids	126
A Robust Pricing Strategy based on Graph Theory for Multi-Shore Power System	
Considering Shared Energy Storage in Distribution Network Market Analysis of Open Capacity and Overloaded Lines of Distribution Networks in	131
Jiangsu Province	136
Assessment of static voltage stability margin for power systems with causal decomposition and reverse feature-enhanced temporal convolutional networks	
Research on key technology of transformer partial discharge detection based o	on
ultrasonic-UHF fusion sensor	146
Research on Assessment of Cyber Attack Risk Conduction in Distributed	
Photovoltaic Contained Distribution System	150
Study on Improved Control Strategy of SVG and Cooperative Arrangement Method	
with Static Reactive Power Compensation Equipment	
Data-Physics Integrated Method for Cascading Faults Identification	
network fault outage risk under the background of big data Application of Artificial Intelligence in Risk Assessment of Distribution	
Network	170
Switched event-triggering secondary frequency control of power systems	
considering wind and solar stochastics under denial of service attack Test and Assessment of Grid Forming Wind Turbine with Energy Storage based on	
Controller hardware in-the-loop	180
Long-term Regional Hourly Net Load Profile Generation with Behind-the-meter P	
Proactive Sequential Phase Swapping Scheduling for Distribution Systems with Finite Horizon	
Planning and configuration of multi-hydrogen energy system in iron and steel	
ndustrial park considering low carbon	195
wind to based revier soon arriation control strategy for hydrogen Energy storage	

Uni ts
UAV-based small object detection algorithm for PV panel identification 205
Cost reduction effectiveness calculation and impact analysis of the integrated
project of source network load storage210
Coordinated Operation of Multiple Flexible Resources in Low-carbon Microgrid
With Annomia and Hydrogen Storages215
Enhanced Detection of Insulator Defects Through Environmental Temperature Curve Analysis
Economic analysis of rural source-network-charge storage integration project
A Day-Ahead Optimal Economic Dispatch Strategy of Industrial Parks Considering
Electrochemical Energy Storage
A Coordinated and Optimized Scheduling Mechanism for User-Side Battery Energy
Storage
A Game Theory Method for Market Trading of Battery Energy Storage Power Station
Considering Reserve and Frequency Regulation
A Robust Control Method for Active Dampers Against Filter Parameter Disturbance
Electrochemical Performance of Zn/Co Metal- Organic Framework/Reduced Graphene
Oxide Nanocomposite for Energy Storage App1ications250
The Bidding Strategy of Wind-Solar-Small Hydropower Virtual Power Plant in the
Energy and Auxiliary Service Market255
A Day-Ahead Market Clearing Model Considering Deep Peak Regulation of
Electrochemical Energy Storage
An allocation method of distributed energy resources to loads through demand
response based on curve matching265
Observability Analysis of Distribution Networks Using Stochastic Response
Surface Method
Collaborative Optimization Strategy for Shared Energy Storage Station in Peak
Shaving and Frequency Regulation275
Harmonic Response Analysis of 220 kV Oil Immersed Transformer Winding And Core
Under Preload
Optimizing Grid Performance through Vehicle-to-Grid Integration: A
Comprehensive Review
Ultra-short-term wind power prediction model based on Kepler optimization
algorithm optimizing gated recurrent unit hyperparameter
Wide-area Virtual Power System Stabilizer Design for Mitigating Inter-area
Oscillations
Node Load Forecasting Method with Distributed Rooftop Photovoltaic Considering
Meteorological Conditions
Analysis of grid-connected oscillation characteristics of offshore wind power
based on impedance model

Small-signal Stability Analysis of Offshore Wind Farm Integrated Grid-forming
MMC-HVDC
Research on the Zero-Carbon Parks Interaction and Impact to the External
Networks with Multiple Types of Energy Storage
Minimum inertia assessment method for high percentage new energy power system
based on improved particle swarm algorithm
A Second-Order Cone Low-Carbon Optimal Dispatch Model Considering Electric
Vehicle Grid Interaction and Battery Life Degradation
Multi-Area Coordinated Control of High-Proportion New Energy Power Grids Based
on an Improved Deep Deterministic Policy Gradient Algorithm
Comparison of Three Intelligence Algorithms on Parameter Identification of
Jiles-Atherton Model
Voltage Stabililty Analysis in Three-Phase Unbalanced PV Rich Distribution
Systems
Efficient Wind Power Forecasting Based on Data Reconstruction and the PSO-CNN-
LSTM Hybrid Model
A Power System Data-driven State Estimation Adversarial Attack Method Based on
Conditional Generative Adversarial Network
Virtual infinite capacitor for grid-connected inverter
Characteristic prediction for the transformers by a grey Verhulst model 359
Investigation of prediction with grey model for different combinations of
transformer characteristics
Prediction approach for the oil temperature of transformers by a grey method
with grouping strategy
Review and Prospect of Primary Frequency Regulation Evaluation for New Power
System
Finite-Set Model predictive control based on optimal switching sequence
strategy for Grid forming inverter
Optimal Operation of Distribution System Operator and Multi-intelligent
Community Micro-Grid Based on Hybrid Game Theory
Collaborative optimal scheduling strategy of new energy microgrid considering
flexible load regulation
Real-Time Scheduling of Wind-Solar-Hydro Complementary System Based on Deep
Reinforcement Learning
Game Theoretic-Based Firm-Energy Allocation Strategy of Wind-Solar-Hydro Energy System401
Research on Harmonic Resonance Suppression of AC Integrated Offshore Wind Farm
with Impedance Reshaping STATCOM
Short-Term PV Cluster Power Prediction Based On Fuzzy C-means and Itransformer-
TCN
Optimal Hybrid Energy Storage System Scheduling Strategy in Energy Market
Considering Battery Cycle Life416

Optimal Capacity Allocation Strategy of BESS Considering the Frequency
Regulation of Wind Turbine Generation and BESS421
Power Prediction of Distributed Photovoltaic Plants Based on Dynamic Feature
Extraction and CNN-BiLSTM 426
Based on Reinforcement Learning for Powe Command Allocation of Battery Energy
Storage Stations431
Investigating the bidding strategy of loaded virtual power plant while
considering multiple demand response resources
Scheduling of virtual power plant operators in aggregated data centers
considering carbon trading and green electricity trading
Impact of Distributed Energy Resources Integration on Voltage Vector Dynamics
and Load Operation in Distribution Systems
Voltage Dynamic Response Analysis Under the Fault of Distribution Network
Improved Siamese Neural Betwork Based on Feature Fusion for Wind Turbine Fault
Warning and Identification of Key Components454
A New Method for Detecting and Evaluating the Insulation State of Transformers
Based on Frequency Response Analysis
The self-responsive voltage control method for distributed photovoltaic
inverters
Coordinated Low-Carbon Scheduling Strategy for Multiple Virtual Power Plants
Considering Carbon Electricity-Green Certificate Trading
Study on Temperature Rise Characteristics of C4F7N/C02 Mixed Gas GIL Busbar
·
With Different Air Pressures and Mixing Ratios
Research on Internal Fault Analysis and Main Protection Design of Zhaoqing
Variable-Speed Pumped-Storage Unit
Low Frequency Resonance Suppression Strategy for Hydropower Photovoltaic
Combined External Transmission System
Cameroon household electricity demand forecast by a combined end-use,
geographic mapping, and regression method
Research on Collaborative Optimization Method of Multi-area Integrated Energy
System with High Proportion of New Energy Access
Maximum Hosting Capacity Evaluation of Renewable Energy for Regional Power
Systems Considering Multiple Scenarios
Optimal Configuration of Charging Stations Considering Various Charging
Characteristics of Electric Vehicle Users510
Integrated Configuration of Electric Vehicle Charging Stations and Distributed
Generation Considering Demand Response Capacity515
Evaluation method of aggregate potential of rapid demand response for large-
scale electric vehicle load
On Site Personnel Access Monitoring and Early Warning in Photovoltaic Field

Based on Al Image Recognition52	25
Development and Application of Intelligent Remote Closing Device for Substatio	n
Considering Multiple Emergency Scenarios53	30
Research on Online Optimal Dispatch Strategy of Virtual Power Plants Based on	
Deep Reinforcement Learning53	34
Combining Wavelet Transform and Temporal Clustering Methods to Analyze PV	
Fluctuations53	39
Research on the Impact Principle of STATCOM Integration on the Penetration Rat	е
of Photovoltaic Generation in Weak Grid54	44
Model Prediction Control Combing Kinetic Energy Based Rotor Speed Control for	
PMSG-WECS 54	49
Use Limited Renewable Energy Data to Estimate Node Distributed Generation	
Hosting Capacity55	54
Distributed Energy Storage with Peak Shaving and Voltage Regulation	
Considerations55	59
The Influence of Trace Water on the Partial Over-heating Decomposition	
Characteristics of C5F100/N2 Mixture as an Insulating Medium56	64
Fault Tolerant Control for PMSG with Interturn Short Fault Based on Current	
Residuals	68
Deterioration Behaviours of Nitrile Butadiene Rubber in C5F100/N2 Insulated	
Switchgear	72
Research on the Joint Dispatch Model of Industrial Adjustable Loads	77
Participating in the Electricity and Ancillary Services Market	
Research on Cost Allocation of Ramp Services Using Independent Energy Storage	
Dynamic Shapley Value	51
Fault Ride-Through Strategy of LCC-MMC Series Hybrid HVDC Transmission System for Offshore Wind Farms	04
Research on Internal Reactive Power Optimization Strategy for Offshore Wind	50
Farms Considering Minimization of Line Losses	01
Maintenance Strategy for Offshore Wind Farms Based on Optimal Maintenance Time	
Windows	
Research on Multidimensional Comprehensive Assessment Index of Power System	, 0
Under Extreme External Disasters	01
Evaluation of the Load Tunable Potential of Electric Vehicles Based on CNN-	<i>J</i> I
Bi LSTM 60	ე6
A Practical Corrective Switching Algorithm with Full-Topology Model of Power	
Systems6	11
A Rotor Protection Scheme Extracting the Main Stator Harmonics of Variable	
Speed Pumped Hydro Machines6 ²	
Day-ahead Scheduling Strategy of Electric Vehicle Cluster Microgrid Considerin	ıg
Source-Load Uncertainty62	21
Research on Bus Load Forecasting System Based on Cloud Edge Fusion Platform	
	26

Migration of Desktop Applications for Power Systems Operation and Management
Basedon Binary Translation Engine: PhyBin63
MSIE: Multi-Scale Informer for Precise Electricity Consumption Forecasting of
Distributed User63
Newton-Raphson Predictive PLL Based Position Estimation Method for Sensorless
SynRM Control64
An accurate solution to nonlinear optimization problem in distribution network
VVC particiated with PV inverters64
Compact Galvanic Isolated Modular Multilevel High Voltage DC/DC Transformer and
Its Control Scheme in Full DC System65
A Day-Ahead Optimal Operation of Hydropower Wind-solar Complementary System
Considering Forbidden Zone65
Real-time Monitoring Method for Small-Signal Stability of VSC-HVDC Converter
Based on Digital Twin Approach66
Real-Time Junction Temperature Monitoring Method for IGBT Power Modules of VSC
Converters Based on Digital Twin Technology66
Real-Time Dispatch Strategy Based on the Complementary Characteristics of
Multiple Energy Storage Systems67
Anomaly Detection Model for Electricity Consumption Based on Adaptive Threshold
Estimation and Ensemble LSTM Autoencoders
Key Parameters Optimization Method of Wind Turbine Reactive Power Support
Considering Power Angle Stability and Short-Circuit Current
Frequency-Constrained Robust Unit Commitment Model Considering Virtual Inertia
Control of Wind Farms68
Electric Vehicle Optimal Scheduling Based on Charging and Discharging Energy
Boundary Model 69
Swin Transformer Architecture-Based Power System Transient Stability Assessmen
Demand Response Potential Prediction Method for Residential User Clusters with
High Penetration Behind-the-Meter Distributed Photovoltaics70
Research on Blind Zone Visual Warning Design Strategy of AR-HUD Under Differen
Driving Road Scenarios
Multi-resources Supplemental Dispatch to Make up Frequency and Ramping Capacity
Shortfalls of Coal-Fired Power Units
A Strategy of Adjusting the Emergency Repair Program for Sudden Risk Under Ice
Di sasters
Research on technical standards for grid-connection frequency support of
photovoltaic power generation72
Research on Failure Rate Prediction of Power Equipment Based on Random Forest
U2-P droop control strategy considering the effect of line resistance
Reliability Dispatching of Distributed Energy Resource Based on Improved Whale

Algorithm for Distribution Networks	. 735
Review on the Technology and Engineering Application of Phase Shifting	
Transformer	740
Repair Crew Scheduling for Distribution System Restoration Considering	
Unbalanced Voltage Degree	745
Research on Voltage Balancing Strategy in UPFC Feedback Control Based on	
Tagging Model	750
Application of Deep Learning Algorithm and Platforms in Hydropower Units	755
Interpretation and Applicability Analysis of Guides for Phase Shifting	
Transformer	760
Renewable Power Hosting Capacity Assessment Considering L-index for Static	
Voltage Stability	765
Resilience-oriented Allocation of DERs Considering the Fragility Model of	
Distribution System Components	770
Research on Power Expansion and Optimization Based on Profit and Loss Balanc	es
of Power, Peak Shaving, Power Consumption, and System Economy in Data-defici	ent
Regi ons	. 775
Adaptability Study of Under-Voltage Load Shedding Strategies for Grid with	
Large-Scale Distributed Photovoltaic Generation	. 780
Research on the Simulation Operation of Wind, Solar, Thermal and Energy Stor	age
Bases Based on Improved Bee Colony Algorithm	. 785
Evaluation of Renewable Energy Accommodation Capacity Considering Transient	
Voltage Stability	790
A Day-Ahead Market Clearing Model under System Inertia Constraints	. 795
Estimating the Critical Clearing Time of Grid Forming Inverter via Lyapunov	'S
Energy Functions	800
The Investigation of Space Charge Characteristics for Liquid Rubber Doped Ep	оху
Resin under Different Temperature Gradient	805
Economic Analysis of Multi-microgrid Considering Integrated Demand Response	
	810
Multi-stage Operation Strategy of Electric Vehicle Aggregators in Energy-	
Frequency Market	815
Model Simplification and Time Complexity Reducing Method For Security and	
Stability Control Systems	
Coordinated Operation of Regional Integrated Energy Systems Based on Electri	
Thermal Coupling Devices	825
Optimization of Primary Frequency Regulation for Virtual Power Plants Based	on
Data-Driven and Grey Wolf Optimizer	830
Research on Optimization Model of Medium-long term Maintenance Schedule for	
New-generation Power System	835
Electricity-Carbon Market Clearing Model Based on Combined Carbon Abatement	
Mechanism and Locational Marginal Price Analysis	840

A New Method for Cable Soft Fault Detection Based on the Broadband Electromagnetic Time Reversal845
Research on the Power Supply Configuration of New-Generation Power System Based
on Full-Time Electric Power and Energy Balance Process850
Parameter-Adaptive Recursive Least Squares Identification and Optimization for
Permanent Magnet Synchronous Motors855
Sensorless control of permanent magnet synchronous motor based on new integral
Sliding mode observer
DC Voltage Control and DC Fault Protection Scheme for Multi-Voltage Level DC
Grids with High Voltage DC/DC Transformer
Voltage Stability Analysis and Quantitative of Power Systems Considering LVRT
of Renewable Energy
SOC control strategy of energy storage system based on Brin line theory 875
Intra-phase SOC Balancing Control Strategy with THVI880
Multi-physics Simulation Study on Current Carrying Characteristics of High
Voltage AC Submarine Cable under Multiple Working Conditions
Thermal Fault Diagnosis Method for Lithium-ion Batteries Based on
Electrochemical Impedance Spectroscopy890
Ellipse Fitting Technique Based Sensorless Control for SynRM Using Rotating
Square Voltage Injection
Optimization of Virtual Power Plant Operation Strategy Based on Deviation
Demand Response900
Short-term Load Forecasting Based on Pattern-Guided Convolutional Neural
Networks Under Different Electricity Consumption Profiles905
A Brief Review of Battery Management Technology for Smart Battery910
Research on Optimization Control Strategy with PSS Based on VSG-Controlled
Inverter
Day-Ahead Optimizing Dispatch of the Renewable Energy Systems Based on A Deep
Q-Network Approach and Demand Response Strategies920
ALDDPS: Abnormal Load Detection Based on Biased Random Key Genetic Algorithm and
Denoising Self-encoder of Distributed Power Station
Research on Adaptive Reclosing Technology for Low-Voltage Distribution Networks
930
A Novel Cournot Model of Electricity Market Considering Retailers' Strategic
Behaviors935
The Comprehensive Compensation Strategy for Power Quality of Energy Storage
DSTATCOM in Low-voltage Distribution Networks940
Optimal Dispatching for Integrated Energy System Considering Multiple Pathways
to Hydrogen and Uncertainty of Renewable Energy945
Solution Analysis of Optimal Reactive Power Flow Considering Voltage Constraint
Variation950
Research on Real-time Prediction of CO2 Emissions from Thermal Power Plants

Based on Multilayer Perceptron955 A GaN Devices Based Resonant Soft-Switching Power Converter for Electrosurgery	5
Applications960)
Model Prediction Control Method of Frequency Regulation for Ship Diesel-Storage Hybrid Supply System965	!
Characteristic Analysis of Three-Phase Interleaved Staggered Parallel DCDC Converter for Electric Vehicle)
Grid-Forming Control Based on MMC-UPFC and its Multi-Mode Switching Strategy	5
Distributed Coordinated Optimal Dispatch of Multiple Virtual Power Plants under Non-cooperative Game Theory	-
985	5
Adaptive control strategy for VSG parameters based on direct-drive wind turbine system	
A Two-Step Locational Marginal Price Forecasting Method in Spot Market with Poor Data	
Dual Zero-Crossing Detection Control Strategy for Power Electronic On-Load Tap	
Changer of Distribution Transformer	
Sensorless Current Sharing Scheme for Multiphase Buck Converters Using Fuzzy PI	
Controller	
An Interturn Short-Circuit Fault Diagnosis Method in Distribution Transformer	,
Based on Three-phase Magnetizing Admittance Ratio)
A Method for Site Selection and Capacity Determination of Distributed Condenser in Multiple Wind Power Qutput Scenarios	
Adaptive Zero-Crossing Regulation Algorithm for Multi-Winding Parallel-Wound	,
Distribution Transformers)
ANALYSIS AND OTIMIZATION FOR 15MW DIRECT DRIVE WIND GENERATOR BASED ON STATOR CORE COOLING TECHNOLOGY	5
Modern Power System Frequency Response Security Region Considering Safety	
Constraints)
Study on Leakage Magnetic Characteristics under Inter-Turn Short Circuit Fault of Transformer	5
ANN-Based Grid-Connected Solar PV Integrated Smart Home Energy Management	
System)
A Novel Price-Oriented Supply-Demand Interaction Scheduling Model Optimizing	
Virtual Power Plant Operations1044	1
Using Local Maximum Difference Enhanced Texture and Multifeature Fusion for	
Evaluating the Aging of Insulating Paper in Microscopic Image1049)
Mechanism of Broadband Harmonic Amplification and Insulation Deterioration in	
DC Submarine Cables	3
Study of Mechanical Properties of High Voltage Cables under Lateral Pressure	
Based on Finite Element Simulation	3

Dielectric Properties of Insulating Materials in Subnanosecond Pulse Generator
Analysis of Stability Control Mismatch Scenario in Renewable Energy Sending
System
Analysis of Dynamic Cost Variations in Electricity Data Based on Machine Learning
-
Optimal Allocation of Inertia for Renewable Energy Sources to Improve System
Frequency Stability
Optimization Strategy for Virtual Power Plant Participation in Demand Response
Scheduling Considering Electric Vehicle Aggregation
Joint Planning Method for Intelligent Soft Open Point and Energy Storage in
Distribution Network Based on Improved DC Power Flow108
Research on the Fusion Detection Method of Extreme Learning Machines and Sparse Coding
Privacy-Preserving User-Side Load Forecasting
A Stackelberg Game Model for Photovoltaic and Energy Storage Charging Station
Groups Participate in the Day-Ahead Electrical Market
Research on Provincial Reliability Evaluation Considering Multi-Cycle Trading
Strategies of Renewable Energy
Improved Fluctuation Suppression Control for the Grid-connected Converter of
Distributed Generations
Benefit Evaluation Model of Energy Storage In the Energy Market Considering the
Impact of the Stage of Charge
Loss Optimization Method for Controllable Rectification Generation System of
Doubly Salient Electromagnetic Generator Based on Angular Position Control
112:
Insulator Condition Monitoring Based on TMR Leakage Current Sensors
New Distribution Network Digital Twin Construction Technology and its
Application in Accident Planning
Evaluation and application of regulating capacity of small hydropower operated
in conjunction with distributed photovoltaic
Study on the Impact of Leading Reservoir on the Daily Regulation Capacity of
Cascade Small Hydropower Stations
Fault recovery method for DG-containing distribution networks taking into
account load forecasting
Phase-locked stability evaluation method for combined renewable power
generation and thermal units transmission system115
Research on the renewable power phase-locked stability considering the
influence of reactive power compensation device1162
Research on Transient Equivalent Modeling Method for Large-Scale Distributed
Photovoltaic in Distribution Networks

Frequency Nadir Prediction Method Based on The Two-Area Frequency Response Model
Frequency Regulation Control Strategy of Over Speed Wind Turbines Considering Optimal Operation Point
Optimization of Wind-Storage Integrated Grid Power Target Considering Energy
Storage Capacity Requirements1182
Tariff Design for Residential Private Charging Posts Considering a High
Penetration Rate of Electric Vehicles
Wideband Oscillation Identification Method in Power System Based on Relaxation
Algorithm
Bi-objective Reinforcement Learning Optimization Of Virtual Power Plant
Scheduling Considering Carbon Capture1196
Preliminary Exploration of Fault Diagnosis Strategy for Overhead Transmission
Lines in DC Power Grid1201
Collaborative Optimization of Capacity Scheduling for Near Zero-Carbon Public
Building Co-Generation System1206
Spatiotemporal Distribution of Electric Vehicle State of Charge Based on Travel
Chains and Gravity Model1210
Research on Multi-objective Optimization Strategy of Capacity Configuration for
Ship Composite Energy Storage Systems
Modeling and Stability Analysis for Weinberg Converter Using Peak Current
Control Mode
A Novel Lightweight Group Convolutional Neural Network Architecture For Inter-
Turn Short Circuit Fault Diagnosis of Induction Motors
Accommodation Evaluation Method for Renewable Energy Power Systems Based on
Lagrange Soft Actor-Critic Deep Reinforcement Learning
Electric Vehicle Load Forecasting Based on Time Series Decomposition and CPIKS
Module
A Comprehensive Methodology for Calculating Optical Efficiency and
Corresponding Heat Flux in Concentrated Solar Power System
Research on High Frequency Distance Protection for Wind Power Grid Connection
with Thyristor Controlled Series Compensation
Review on Frequency Stabilization for Renewable Energy Power Grid in Context of
New Power System
Non-Intrusive Load Monitoring Method Based on Color-Coded V-I Trajectories and
Multi-Feature Fusion
An Optimization Algorithm for Power Supply of Clean Energy Heating under High
Penetration Renewable Energy
On Synchro-Waveform Data Analytics for High Impedance Fault Identification in
Distribution Networks
On Deep Learning for Condition Assessment of Power Transformers
Hydrogen Gas Detection System in Transformer Oil Based on Big Data Analysis

	1274
Convex Hull-based Construction Method of the Distributionally Robust	127 1
Flexibility Operation Region Model for a Photovoltaic-Storage DC Flexible	е
System	
Research on the Market Ability Assessment Method for Demand-Side Resourc	е
Load Forecasting Based on Weather Forecast Correction and Cumulative Temperature Index	
Hierarchical Coordinated Control Method for Hydrogen-Electric Hybrid Ene	
Storage System Based on Model Predictive Control	0.5
Waste Battery Recycling from Electric Vehicles in Saudi Arabia: A Futuri	
Policy Perspective	
Analysis of Stable Operation Domain for the Multi Terminal Low Voltage D	
System Considering PLL Nonlinearity Dynamics	
Transformer Data Correction Approaches Based on GMM and BiGRU	
Multi-source Information Acquisition and Modeling Technology of Converte	
Station for Fault Intelligent Diagnosis	
Stochastic Multi-Objective Optimal Dispatching Method for Improving Wind	
Accommodation Ability	
Distributed Secondary Control for DC Microgrid with Dynamic Event-Trigge	
Strategies	
Energy Storage Configuration Method for Industrial Parks Considering Pro	
Maximization	
A Facile Synthesis of Co-doped ZnO/rGO Nanomaterials for Energy Storage	
ications	
Research on Distributed Photovoltaic Access Scheme of High-Penetration	1334
Distribution Networks Based on Three-Layer Decision Model	1220
Operational Behavior Diagnosis of Protective Relays Based on Temporal	
Convolutional Network	
EvoK-Means: A Differential Evolution Optimized K-Means Algorithm for Clu	Ü
Electric Power Consumption Patterns	
Research on Polymerization Control Strategy of Virtual Power Plant for S	-
Scheduling Requirements	
Scheduling Strategies for Shared Energy Storage in Distribution Substati	
Areas	
Research on Feeder Zero Sequence Overcurrent Protection Adaptive to Netw	
Topol ogy Changes	1364
PLSR Model-based Installed Capacity Forecasting of Renewable Energy in	
Northwest China	
Load Forecasting Method Based on Stacking Ensemble Learning Under Multip	
Meteorological Factors	
Power Supply Vehicle Scheduling Method Based on Multi-Agent Reinforcemen	t

Learning with Shared Attention
Hierarchical Optimization Scheduling Model of Multi-Microgrids Based on
Analytical Target Cascading
Distributed Optimization of Virtual Power Plant Clusters Considering a Carbon
Incentive and Penalty Mechanism in Uncertain Environments
A Review on Modeling Methods of Data-Driven Demand-Side Virtual Power Plant
Adjustable Potential1394
Schedule Optimization for New Power Base Considering the Reliability of
Outgoing Transmission1399
A day-ahead scheduling model of wind-photovoltaic-hybrid pumped storage
considering the capacity limitation of transmission lines1404
Influence of Harmonics on the Reliability of Press Pack IGBT Devices 1409
Coordinated Planning of Offshore Green Ammonia Production and Near-Zero Ship
Transportation for Multiple Energy Islands1414
Linear Programming Method for Distribution Network Fault Recovery Based on
Dynamic Switching Technology1419
Distribution Network Terminal Modeling Based on IEC 61850/IEC CIM and
Communication Design Scheme Using Industrial IoT Protocols1424
P2P Energy Trading Among Microgrids under Partial-Decision Information 1429
Multi-Objective Coalitional Game for Energy Trading Among Multiple Microgrids
A Novel AC/DC Power Flow Algorithm Considering MMC-HVDC Connected Offshore Wind
Farms and System Regulation Characteristics
Research on High-Frequency Signal Monitoring Scheme and Key Technology for Near
HVDC Converter Station
Day-ahead Temporal Scenario Generation and Quality Evaluation of Photovoltaic
and Loads Based on Volatility Interval Correction
The Reactive Compensation Optimization Configuration Scheme for Offshore Wind
Farm AC Transmission System
Study on the Safety of Power Frequency Electro magnetic Exposure from Ultra-
High Voltage Transmission Lines
A Virtual Space Vector Modulation Method to Reduce Capacitor Voltage Ripple in
Dual Inverters
Operational strategy of virtual power plant for participating in coupled peak-
shaving and carbon markets
Planning of Power Allocation Strategies for a Hybrid Energy Storage System in a
Joint Energy Reserve-Frequency Regulation Market
Current Control of Triple-Redundancy PMSM Using Deadbeat Active Disturbance
Rejection Control
Research on the Effectiveness Evaluation System of Provincial Power Market
System Construction Considering Green, Supply Retention and Price Stability
1703

A Two-Stage P2P Market Mechanism Considering the Uncertain Electricity Price of
Distribution Network
Multi-stage Dynamic Partitioning Method for Receiving-end Grid based on Voltage
Steady and Transient State
Clustering of Operating Scenarios for New Energy Power Systems Based on the
Variables Affecting Static Voltage Stability1500
Low Carbon Economic Dispatch of Integrated Energy System Considering Demand
Response and Carbon Capture Under Stepped Carbon Trading
The Effect of Mechanical Treatment on the Performances of Graphene / copper
Composi tes
Research on Energy Management Strategy of Integrated Photovoltaic and Energy
Storage Power Station1514
Charging-Constrained Microgrid Operation Enhancement based on Uncertain Demand
Response
Challenges and Coping Strategies for Green Power Environmental Value Accounting
Transfers
A Study on the Risk Evaluation of Information Disclosure in Provincial
Electricity Markets1528
Evaluating the Effects of Green Credit Guidelines on Corporate ESG Performance
Through a Double Machine Learning Approach1533
Clustering of Temperature Measurement Points for Key Components of Offshore
Wind Turbines Considering Spatiotemporal Multi-Modality Characteristics 1538
Two-Level Utilization of LNG Cold Energy for Port-Multi Energy Microgrid
Management
Unified Simulation and Verification Technology for Primary and Secondary
Control in Power Systems Based on Digital Stability Control System1548
An Affine Arithmetic-based Optimization Method of Integrated Electricity-Gas
System Considering Multiple Uncertainties1553
Key Technologies Review for New-type Power Systems1558
An Adaptive Reclosing Method For Distribution Networks Based on Active-Passive
Fault Detection
Inter-Provincial Multi-Channel Centralized Bidding Transaction Considering
Carbon Emission Reduction1568
A Comprehensive Market Power Analysis Method Based on Principal Component
Market Power Index1573
Intelligent Diagnosis of GIS Disconnector Faults Based on Multi-Information
Fusi on
A Robust Lithium-ion Battery SoH Estimation Method Using Refined RC-network ECM
and SVR
Cooperative Economic Dispatch of Mobile Energy Storage
Impact of Renewable Energy on Transient Stability of Multi-area Long-chain
Sending-end Network1593

A Carbon Emission Projection and Prediction Method Based on LSTM and ARDL
Models for Multiple Emission Sources
Study on Reactive Power Response Characteristics of Grid-Forming Renewable
Energy Systems with Virtual Internal Potential
Technique for Constructing Carbon Emission Flow of Electric-heat Synergy in
Integrated Energy System
Research on Optimization Scheduling of the Cascade Hydro-Wind-Solar-Storage
Complementary System towards Clean Energy Consumption
A Numerical Parameter Optimization Design Method For Isolated Tripe Active
Bridge Converter
Day-ahead Optimal Dispatch of Multi-Integrated Energy Systems Considering
Uncertainties Based on Nash Bargaining Approach
Optimization Schemes for Auxiliary Power to Enhance the Generator Leading Phase
Capability
Regional Carbon Emission Measurement Method Based on Carbon Emission Flow
Theory
Hierarchical System Commutation Failure Prevention Method for UHVDC Based on
Turn-off Area and Commutation Current Area Criteria
Load Curve Classification Method Based on Convolutional Neural Network 1644
New Co-Simulation Variants for Emissions and Cost Reduction of Sustainable
District Heating Planning
Synergetic Virtual Inertia Control of AC-Excited Variable Speed Pumped Storage
and Renewable Energy Sources for Grid Frequency Support
Distribution Network Operating State Diagnosis Method Based on Uncertainty
Propagation Theory
Fault Location Technology of DC Control and Protection System Based on Deep
Learning
A Lean Investment Method for User-Side Energy Storage Based on Energy
Performance Contracting
Monitoring Service for Updating Power System Digital Twins1674
Optimized Scheduling of Water-Photovoltaic Pumped Storage at Multiple Time
Scales Considering Pumped Storage Participation
An Improved Power Transformer High Frequency Model for Transient Overvoltage
Studi es
Power System State Estimation Guided by Neural Network Considering Power Flow
Constraints
Deep Reinforcement Learning-Based Additional Damping Control for Grid-Forming
HVDC Power System
A Coordinated Current Limiting Method for Flexible DC Grids Based on Source-
Grid Limiting Contribution
Strategy for Improving Service Quality of Virtual Power Plant Considering
Customer Satisfaction

Optimization Method for Virtual Power Plant Management Based on Prosumers'
Distributed Energy Storage Sharing
Low-Carbon Optimization Dispatch of Multi-integrated Energy System Based on
Kriging Metamodel and Stackelberg Game
Equivalent Ratio of Frequency Regulation Resources Based on Derivation of Open-
Loop Control Frequency Deviation
A Single-Ended Intelligent Fault Location Method for Flexible DC Overhead Line
and Cable Hybrid Transmission Line
Investigation of the Forced Oscillation in a VSG based PV System
Adaptive Aperiodic and Periodic Disturbances Observer Based on Enhanced LESO
for Speed Fluctuation Suppression of PMSM
Rural Household Distributed Photovoltaic in City Z: Impact, Challenges and
Policies
Research on Control Strategies of Modular Multilevel Converter Based on Three-
Level Controllers
An Improved Frequency Feedforward Control for the Grid-Forming Converter
1748
Research on voltage regulation strategy for full cable distribution networks
considering user voltage and power quality
Capacity Optimization of Renewable Energy Generation System with Pumped-
Hydrogen Coupling Energy Storage
GaN-Based 200kHz LCC-S WPTS against Misalignment Condition with Non-Equal-Size
Coupl ers
A Resilience Boosting Approach for Distribution Networks considering Multiple
Distributed Resources
Research on The Primary Frequency Regulation Control Method of Hybrid Flywheel
Array Collaborative New Energy Power Station
Research on fast optimal corrective transmission switching based on deep
reinforcement learning
Mechanism for Energy Sharing of Electric Vehicles Incorporating Supply-Demand
Ratios and Subject Preferences
Magnetically Controlled Shunt Reactor Configuration Method Based on Single-
Infeed Renewables-Integrated Effective Short Circuit Ratio
Soft Dynamic Time Warping Neural Networks for Electric Vehicle Charging Station
Load Forecasting
Assessment of State of Health in Multi-Batch Retired Lithium Batteries Using an
Equivalent Circuit Model
Distributed Transactive Energy Control of Electric Vehicles Based on Blockchain
and Oracle Technology1803
Stability Analysis for Secondary Voltage Control of Microgrids Considering
Communication Delays
A Novel LSTM for Predicting Transmission Line Faults under Ice Disasters
5.m. toa.a.a.mg anomi oor on Erito Taar to andor Too bi sastol 3

Optimized energtion of integrated energy system considering the characteristic
Optimized operation of integrated energy system considering the characteristic
of ice storage air conditioning and building area energy storage
Optimized Deloading Operation of Wind Turbine Generator in Virtual Power Plan
Considering Forecast Error and Carbon Trading
Investigating the Regulatory Potential of Virtual Energy Storage in Ice Therma Storage Air Conditioning Loads18
A Hierarchical Collaborative Optimization Strategy for Integrated Energy
Systems
AC-DC Integrated Starting/Generation System of Double-Winding Induction
Generator Based on Flux Orientation Control18
Optimal Configuration of Wind-Photovoltaic-Storage Electric Vehicle Capacity
Distribution Network Based on Non-Cooperative Game
Load Forecasting with Extreme Weather Based on ImTimeGAN-CGBM Architecture
Analysis of Demand Response in Distribution Network Scenarios with Photovolta Integration
The Impact of Renewable Energy Fault Recovery Rate on the Transient Stability
of the Sending-End Power Grid
Optimization of Low-Carbon Scheduling for Integrated Energy Systems Considering Green Certificates and Carbon Trading Mechanisms
Peak Time Response of Self-Contained Power Supply in Demand Response Mode
A Review of Electric Vehicle Aggregator Participation in Multi-market: Bidding
Clearing and Scheduling
Optimization Strategy for Multi-Microgrid Scheduling Considering Hydrogen
Logistics
Intelligent Tilt Monitoring Method for Pylon Using High Precision Terrestrial
Laser Scanning
Effect of Cooling Rate on the Dielectric Properties of Polypropylene for Cable
Insulation
MMC-HVDC resonance suppression strategy based on co-optimization of voltage
feedforward and current inner loop
Numerical Oscillation Suppression of Electromagnetic Transient Simulation Base
on Eigenvalue Analysis
Research on Wireless Power Transmission System Based on Non-uniform Switchable
Transmitting Coil Array
Research and application of GOOSE in digital pumped storage power stations
Research on Photovoltaic Interval Prediction Method Based on Meteorological
Correction and Transformer
oorrootron and transformor

Power Leverage Mechanism Based Energy Management for Hybrid AC/DC Microgrids Cluster
Microgrid Feasible Domain Construction based on Redundancy Constraint
Identification
Research on Wireless Power Mutual Replenishment System for Dual Unmanned Aerial Vehicles Based on Runway-type Relay Coil in Ground-side
with Conditional Generative Adversarial Network
Design Method for Distributed Database Storage Architecture of Power Grid Based on Efficiency-Cost Optimization Model
Current Harmonics Suppression of a Grid-connected PV-integrated with Energy
Storage System
Three-Dimensional Simulation of Temperature Rise of a Prototype Conductor in 35
kV Offshore Single-Point Mooring Device
A Rotor Structure Designed for Low Noise Emission
Peak Current Control of Swiss Rectifiers in Unbalanced Grids
Research on Simulation and Prediction of Photovoltaic Power Generation Based on Machine Learning and Similar Day Optimization
Electric Power Industry Innovation Mechanism: Current Situation and Prospect
Distributed Event-Triggered Coordinated Voltage-Constrained and Current-Sharing Control for Islanded DC Microgrids
Multi-objective optimization analysis of oil pump motor based on NASG II algorithm
Small-Disturbance Stability Improvement of Weak Grid-Connected Photovoltaic Power Plant Based on Grid-Forming Controlled Converters Partial Substitution 2006
Frequency Coordination Control of Multi-Area Power Systems Based on Multi-Agent Deep Reinforcement Learning
Stations
Research on Cross-Space Propagation of Cyber Security Risks in Cyber Physical

Power Systems Based on State Transition Machines
Noise Reduction Study of Vacuum Interrupter Vacuum Level Spectra for Terahertz
Detection Based on IWT-RTS
Online Verification Method for Power Grid Frequency Security Considering Multi-
time Scales Frequency Modulation Characteristics
Stability Analysis of Multi-Terminal Direct Current in an Actual Power Grid
Based on Electromechanical-Electromagnetic Hybrid Simulation2040
Enhancement Method for Hosting Capacity of Distribution Network through
Utilizing Flexible Resources
Capacity Configuration of Distributed Wind Storage Systems Considering Random
Scenari os
Impact of Turbine Efficiency Characteristics Changes on Economic Benefits of
Hydropower Plants in Short-Term Scheduling2055
Optimal Operation of Electro-Thermal-Hydrogen System Based on Refined Hydrogen
Storage Modeling
Long-short Term Optimal Configuration For Hydrogen Battery Energy Storage
System In Multi Microgrids With Heterogeneous Sources2065
A Contrastive Analysis of SAE APR 4754 Revision B and Revision A2070
Aggregating and Scheduling Flexibility of Multiple Flexible Resources for
Distribution Network: A Feasible Region-Embedded EMPC Method2074
Study of Phase-Shifted Full-Bridge Return Power Optimization Algorithm 2079
Analysis and Comparison of Optimization Effects of Inverter Voltage Control
Strategies in Distribution Network
Research on Phase-shift Full-bridge Control Strategy Based on ADRC2089
Reconstruction of Load Response Behavior Based on Multi-Agent Generative
Adversarial Imitation Learning2093
User side resource electricity consumption guidance strategy based on
satisfaction matching2098
The Evaluation Method of Tunable Potential of Electric Vehicle Considering
Multi-time-step Coupling2103
Preliminary Study of Reliability Prediction from Regulation Intensity of Pumped
Storage Units in Renewable Energy Systems
Comparative Study on Different Wind Power Prediction Algorithms Based on
Comprehensive Performance Evaluation
Risk Assessment Method for Power and Electricity Balance in New Power System
Based on Multitime-scale Chronological Production Simulation2118
Interactive Scheduling of Virtual Power Plants and Distribution Grids
Considering Uncertainty Constraints2123
Optimisation of a multi-energy complementary integrated energy system with
hydrogen-mixed natural gas and biomass energy2128
Maximum Torque Per Ampere Operation for IPMSM Based on Sliding-Mode Extremum
Seeking Control

Day-ahead Multi-objective Stochastic Optimization Scheduling for Residential	
Communities Considering Demand Response213	38
A Short-term Scheduling-control Synergic Model of Hydropower Units for Hydro-	
Wind-Solar Complementary Operation214	
Status and Suggestions for New Energy Industry in Jiangsu under New-Type Power	
System214	
Research on Enterprise Low-carbon Evaluation Index Based on AHP-entropy Weight	
Method	53
Strategic Allocation of Aggregator Interests Considering of External Power	
Transmission	
Regulation Intensity of Hydropower Plant under Different Scenarios of Renewabl	
Energy Volatility: A Preliminary Analysis	53
Medium-Term Jointly Load Forecasting via An Enhanced KAN-based MTL Framework	
216 Research on Microgrid Bilevel Optimization Scheduling Considering the	ა8
Uncertainty of Renewable Energy and Carbon Emissions in the New Power System	
	72
An Improved LVRT Strategy for Overvoltage Supression of Sending-End Grid-	3
Forming Converter Station217	7 Q
An Economic Optimization Scheduling Method for Photovoltaic Storage Charging	U
Stations Based on Improved Proximal Policy Optimization Algorithm218	33
Based on the IWOA-BiGRU-A-DKDE ultra-short term PV power interval prediction	,0
	38
Charging Load Forecasting of Highway Infrastructure Considering Spatiotemporal	, ,
Coupling	93
Battery State of Health Estimation for Real-world Vehicles Based on Ensemble	
Learning219	98
Configuration Method for PVB System Based on the Resource of Zero-Carbon	
Buildings220)3
A Novel Battery RUL Prediction Approach Based on Probabilistic Hyperparameter	
Optimization220)8
Optimal Operation Strategy of Park-level Integrated Energy Systems Considering	
Carbon Trading221	13
Ice-melting Frequency Calculation of DC ground wire Combining Characteristic	
Harmonics221	18
Peak Shaving Value Assessment for New Entities Participating in Power Ancillar	_
Service Market for Load-side Virtual Power Plant222	23
Common Mode Circulating Currents Suppression and Power Distribution Methods of	
Parallel SOPs222	28
Optimal Operation Strategy of Aggregated Multiple Flexible Resources in Power	
Bal ance Unit223	33
Short-Term Power Consumption Dynamic Forecasting Using Optimal Weighting	
Combination223	38

Control Method and Optimization Design of SOP Storage-Charging Integrated
Equi pment
Mid/long-term Energy Management for Zero carbon Buildings Considering Weather
Conditions and Energy Use Schedule2248
Vibration Trend Prediction of Pumped Storage Unit based on VMD, SSA and Optimal KELM2253
Optimal Scheduling of High Proportion Renewable Energy Systems Considering The
Responsiveness of User-side Energy Storage Clusters
Active and Reactive Power Coordinated Optimal Dispatch for Distribution
Networks with High Penetration of Distributed PVs2263
Time Series Production Simulation Based Limits Locating Method of RERs
Accommodation
A grid resilience enhancement approach considering cascading failures due to
reduced carrying capacity under extreme ice disasters2273
Energy Management in Microgrids: Sufficient Conditions for Convex Bi-
directional Converter Operation Model2278
A Calculation Method for Power Limit of Transmission Section Based on Knowledge
Graph
Optimal Layout of Multiple Distributed Energy Storage Systems in Active
Distribution Networks Considering System Uncertainties
The Interactive Coupling Between Power Control Loops In Grid-Forming Inverter
Based on Spring Damper Oscillator Model
Adaptive Impedance Design for VSG in Variable Speed Pumped Storage Hydropower
Converters Under Strong Grids
Research on the Optimal Allocation of Pumped Storage Capacity in Qinghai Region
Considering Sequential Development
On Fast N-1 Contingency Analysis: A Graph Neural Network Approach2308
Research on the Function Role of Variable-Speed Pumped Storage Units Based on
Time Series Production Simulation
A Trilateral Inertia Supporting Scheme for Hybrid AC/DC/DS Microgrids 2318
Impedance-based Adaptive Subsynchronous Oscillation Damping Controller 2323
Mining Method of SER Fault Event Set in Converter Station Based on Improved
Association Rule Algorithm
A Non-Intrusive Electric Load Component Identification Method Based on Event
Detection
Urban Power Grid Planning with Nested Microgrids: Ensuring Continuous Power
Supply to Critical Loads under Extreme Events
Construction and Application of SCADA System Knowledge Graph Based on Multi-
source Data Fusion
A WT-LSTM Approach for Reactive Power Load Forecasting with Active Power Load
Integration 2348
Wind Power Penetration Limitation Calculation Considering Wind Turbine

Generator Under Frequency Constraints
Intelligent Method for Identifying the Switching States of a Disconnector Based on Transient Enclosure Voltage Characteristics in GIS
Dynamic Response Analysis of High-Voltage Transmission Tower-Line System
Influence of Current Limiting Resistor on the Breakdown Development Process of
Vacuum Gaps
Multi-Stage Battery Charging Scheduling Optimization at Battery Swapping
Stations 2372
Market-based Versus Non-market-based Mechanisms: External Value Sssessment of Distributed Photovoltaic
Research on End-to-End Text Spotting Algorithm for Power Equipment Nameplate
Images
Adjustable Potential Analysis of Cleanrooms For Pharmaceutical Industries
Validation Method of Coordinated Operation strategy for Integrated Source-
Network-Load Storage Projects in Power Systems
An Investigation on the International Standardization for the Grid Integration
of Hydrogen Production and Storage Systems2396
Transformer Oil Chromatography Fault Detection System Based on Raman Technology
240^
Techno-Economic Selection of Multi-Scenario DC Distribution Voltage Level
Sequences for Future Power Grids
Comparison of the Patterns of Electric Vehicle Participation in Various
Electricity Markets
Comparative Analysis of Lighting System of CAP1000 and HPR10002416
Growth Characteristics of Plasma Electrolytic Oxidation Ceramic Insulating Film
on The Surface of High-temperature Resistant Wire
A Review on State Estimation Techniques in AC/DC Hybrid System A Review on
State Estimation Techniques in AC/DC Hybrid System
Research on the System Scheduling Strategy of Electric Heating Load with Carbon Price
Considering the Peak Time Response of Users' Self Provided Power Sources in the
Electricity Market
Demand Analysis of DPV Participating in Power Balance with Consideration of
Prediction Confidence Intervals
Research on New Energy Storage Grid-connected Operation System for Multi-
scenarios
Bi-level Optimal Scheduling for Peak Shaving and Carbon Reduction Based on
Building Photovoltaic and Energy Storage Systems
Cost-Driven Regulation and Configuration of Energy Storages Providing Fast
Frequency Response for Large-Scale Wind Farm Integration

Storages 'Primary	Frequency Regulation for Wind Farms'Large-scale Integration	1
into the Power Gr	id24	61
Temperature Predi	ction for Technical Water Supply Systems in Pumped Storage	
Power Plants Base	ed on Random Forest Downscaling and Improved LSTM Methods	
	24	65
Day-ahead Optimal	Scheduling of Time-series Multi-scenario Considering Source	-
load Uncertainty		70