

IEEE POWER ELECTRONICS, POWER SYSTEMS AND DRIVES

TITLES.

POWER SYSTEM BASED RENEWABLE AND ENERGY STORAGE SYSTEMS:

1. Effect of Various Incremental Conductance MPPT Methods on the Charging of Battery Load Feed by Solar Panel
2. An Improved Bipolar Voltage Boost AC Voltage Controller With Reduced Switching Transistors
3. A Comprehensive Review of Micro grid Control Mechanism and Impact Assessment for Hybrid Renewable Energy Integration
4. Exploiting the Inherent Flexibility in Transmission Network for Optimal Scheduling, Wind Power Utilization, and Network Congestion Management
5. Review of Methods to Accelerate Electromagnetic Transient Simulation of Power Systems
6. Simultaneous optimization of renewable energy and energy storage capacity with hierarchical control
7. Investigation on Sizing of Voltage Source for a Battery Energy Storage System in Micro grid With Renewable Energy Sources
8. Smart Meter Data Analytics for Occupancy Detection of Buildings with Renewable Energy Generation

9. Algorithm for Demand Response to Maximize the Penetration of Renewable Energy
10. Isolation and Protection of the Motor-Generator Pair System for Fault Ride-Through of Renewable Energy Generation Systems
11. A Home Energy Management System With Renewable Energy and Energy Storage Utilizing Main Grid and Electricity Selling
12. Overview of energy storage in renewable energy power fluctuation mitigation
13. Robust Operation of a Water-Energy Nexus: A Multi-Energy Perspective
14. Photovoltaic System MPPT using Fuzzy Logic Controller
15. Comparative Analysis of P&O and FLC based SEPIC Boost Converter for Solar PV Application
16. Model and Simulation of a Renewable Energy Market: Integration of Renewable Energy Sources with the Conventional Generation System
17. Algorithm for Demand Response to Maximize the Penetration of Renewable Energy
18. Overview of energy storage in renewable energy power fluctuation mitigation
19. Dynamic Economic Dispatch With Maximal Renewable Penetration Under Renewable Obligation
20. Dynamic Inertia Response Support by Energy Storage System with Renewable Energy Integration Substation

21. Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts
22. Single Pulse Common-Mode Voltage PWM Scheme to Achieve High Power-Density for Full Sic Three-level Uninterruptible Power Supply
23. A Multi-load Wireless Power Transfer System with Series-parallel-series (SPS) Compensation
24. Improved Pulse Density Modulation for Semi-bridgeless Active Rectifier in Inductive Power Transfer System
25. Solar Optiverter –A Novel Hybrid Approach to the Photovoltaic Module Level Power Electronics
26. A Power Electronic Traction Transformer Configuration with Low-Voltage IGBTs for Onboard Traction Application
27. Port Controlled Hamiltonian Modelling and IDA-PBC Control of Dual Active Bridge Converters for DC Microgrids
28. Carrier-Based Digital PWM and Multirate Technique of a Cascaded H-Bridge Converter for Power Electronic Traction Transformers
29. A Modified DC Power Electronic Transformer Based on Series Connection of Full-Bridge Converters.
30. A Unified Power Flow Controller Using a Power Electronics Integrated Transformer.
31. Evaluation of power processing in series-connected partial-power converters.

32. Centralized monitoring of the power electronics devices.

33. Functioning Algorithm of the Stand Alone Power Supply System with Renewable Energy Sources.

34. Design and Optimization of a Solar Power Conversion System for Space Applications.

35. Power Quality Analysis of Phase Controlled Bidirectional and Unidirectional AC Voltage Controllers and their impacts on input power system.

POWER SYSTEM:

1. An Improved Three-Stages Cascading PassivityBased Control of Grid-Connected LCL Converter in Unbalanced Weak Grid Condition
2. An Improved Bipolar Voltage Boost AC Voltage Controller With Reduced Switching Transistors
3. An Active Voltage Stabilizer for a DC Microgrid System
4. A Sub-Synchronous Oscillation Suppression Strategy for Doubly Fed Wind Power Generation System
5. Review of Methods to Accelerate Electromagnetic Transient Simulation of Power Systems

6. Switching Transition Control to Improve Efficiency of a DC/DC Power Electronic System
7. Analyze the Impact of Demand Side Management on Grid Power for an Isolate Zone in a Sustainable IEEE 14 Bus System
8. Exploiting the Operational Flexibility of Wind Integrated Hybrid AC/DC Power Systems
9. Power Compensation of Network Losses in a Microgrid With BESS by Distributed Consensus Algorithm
10. Control of UPQC based on steady state linear Kalman filter for compensation of power quality problems
11. Implementation of Hybrid STATCOM System for Power System Performance Enhancement
12. Investigation of Modular Multilevel Converters for E-STATCOM Applications
13. Voltage Flicker Compensation of STATCOM Through Novel Bee Colony Optimization
14. Analysis of Stability in IEEE 14 Bus System using ETAP Software
15. Improving the Reactive Current Compensation Capability of Cascaded H-Bridge Based STATCOM Under Unbalanced Grid Voltage
16. Network-Wide Influence of a STATCOM Configured for Voltage Unbalance Mitigation

17. GA Based Optimal STATCOM Placement for Improvement of Voltage Stability
18. Power Quality Assessment of A Wind Power-Integrated System into the Power Grid
19. Quasi-Two-Stage Multifunctional Photovoltaic Inverter With Power Quality Control and Enhanced Conversion Efficiency
20. A PV-Statcom for Enhancement of power quality in grid integrated system using Unit Vector Controller
21. Implementation of Switched Mode Power Supply with Power Quality Enhancement using Zeta Converter
22. A Proposal for Power Quality Management System
23. A Superconducting Magnetic Energy Storage Emulator/Battery Supported Dynamic Voltage Restorer
24. Single-Phase to Three-Phase Unified Power Quality Conditioner Applied in Single Wire Earth Return Electric Power Distribution Grids
25. Voltage Control with PV Inverters in Low Voltage Networks—In Depth Analysis of Different Concepts and Parameterization Criteria
26. Low-Capacitance Cascaded H-Bridge Multilevel STATCOM
27. Simultaneous Micro grid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual Interfacing Converters
28. MPC-SVM Method for Vienna Rectifier with PMSG used in Wind Turbine Systems

29. An Isolated Topology for Reactive Power Compensation With a Modularized Dynamic-Current Building-Block
30. Shunt Active Power Filter Based on Cascaded Transformers Coupled with Three-Phase Bridge Converters
31. Full-Bridge Reactive Power Compensator With Minimized-Equipped Capacitor and Its Application to Static Var Compensator
32. Investigation Dynamic Voltage Restorers With Two DC Links and Series Converters for Three-Phase Four-Wire Systems
33. A Versatile Unified Power Quality Conditioner Applied to Three-Phase Four-Wire Distribution Systems Using a Dual Control Strategy
34. Connection of Converters to a Low and Medium Power DC Network Using an Inductor Circuit
35. High-Performance Constant Power Generation in Grid-Connected PV Systems
36. Control Strategy to Maximize the Power Capability of PV Three-Phase Inverters During Voltage Sags
37. Delay-Dependent Stability of Single-Loop Controlled Grid-Connected Inverters with LCL Filters
38. Grid-Current-Feedback Active Damping for LCL Resonance in Grid-Connected Voltage-Source Converters
39. A Hybrid-STATCOM With Wide Compensation Range and Low DC-Link Voltage

40. Hybrid Energy Storage System Micro Grids Integration For Power Quality Improvement Using Four Leg Three Level NPC Inverter and Second Order Sliding Mode Control

CONVERTERS LOGIC:

1. Failure Prevention in DC–DC Converters: Theoretical Approach and Experimental Application on a Zeta Converter
2. Coupled Inductor Based Soft Switched High Gain Bidirectional DC-DC Converter With Reduced Input Current Ripple
3. Minimum Backflow Power and ZVS Design for Dual-Active-Bridge DC–DC Converters
4. A Single-Stage Semi Dual-Active-Bridge AC–DC Converter With Seamless Mode Transition and Wide Soft-Switching Range
5. Coupled Inductor Based Soft Switched High Gain Bidirectional DC-DC Converter With Reduced Input Current Ripple
6. New Four-Channel Resonant Boost DC/DC Converter.
7. Flexible Interlinking Converter With Enhanced FRT Capability for On-Board DC Microgrids
8. Large-Signal Stability Guarantees for Cycle-by-Cycle Controlled DC–DC Converters

9. Reliability of Silicon Battery Technology and Power Electronics Based Energy Conversion
10. A High Efficiency and Wide Voltage Gain sLC_LCC DC–DC Converter With SiC Devices
11. Unidirectional Step-Up DC–DC Converter Based on Interleaved Phases, Coupled Inductors, Built-In Transformer, and Voltage Multiplier Cells
12. A Comprehensive Review of Microgrid Control Mechanism and Impact Assessment for Hybrid Renewable Energy Integration
13. Transformer-Less Voltage Equalizer for Energy Storage Cells Based on Double-Tiered MultiStacked Converters
14. Modified Phase-Shift Scheme for Optimal Transient Response of Dual-Active-Bridge DC/DC Converters Considering the Resistive Impact
15. WBG-Based PEBB Module for High Reliability Power Converters
16. Voltage Lift Switched Inductor Double Leg Converter With Extended Duty Ratio for DC Microgrid Application
17. An Overview on Single/Multi Output Isolated Resonant Converter Topologies for Vehicular applications
18. Developing a super-lift Luo-converter with integration of buck converters for electric vehicle applications
19. A Modular Two-Stage High Step-Down DC-DC Converter Using Frequency Multiplier Circuit for Datacenter Applications

20. Three-port Pulse Width Modulated DC-DC Converter for Vehicular Applications
21. Performance of P/PI/PID Based controller in DC-DC Converter for PV applications and Smart Grid Technology
22. Fault Tolerant Series LC Resonant Converter Topology for Constant Power Applications
23. Nonlinear Implementable Control of a Dual Active Bridge Series Resonant Converter
24. Design of a Multiport Bidirectional DC-DC Converter for Low Power PV Applications
25. Predictive Current Control Strategy for a Multi-Modular Matrix Converter
26. Buck-Boost DC-DC Converter Designed for PCB Applications
27. Reduced Switch Voltage Stress Ultra-gain DC-DC Converter for High Voltage Low Power Applications
28. A Novel Topology of Multilevel Bidirectional and Symmetrical Split-Pi Converter
29. A Lossless Passive Snubber Circuit for Three-Port DC-DC Converter
30. An Experimental Estimation of Hybrid ANFIS–PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance
31. Two Switch Non-Isolated Quadratic Gain DC-DC Converters

- 32.A Single-Inductor Dual-Output DC-DC Converter with Dual-Mode Control
- 33.A new Approach of Resonant Converter using Large Air Gap Transformer
- 34.A Novel Boost Converter Topology with Non-Pulsating Input and Output Current
- 35.Modelling and Optimization of DC/DC Converter for Supplying of LED Lighting
- 36.Zero Voltage Transition Non-Isolated Bidirectional Buck-Boost DC-DC Converter with Coupled Inductors
- 37.Nonisolated Multiport Converters Based on Integration of PWM Converter and Phase-Shift-Switched Capacitor Converter
- 38.Developing a super-lift Luo-converter with integration of buck converters for electric vehicle applications
- 39.Capacitor Size Comparison on High-Power DC-DC Converters with Different Transformer Winding Configurations on the AC-link
- 40.Bidirectional Isolated Ripple Cancel Triple Active Bridge DC-DC Converter
- 41.Configurations of DC-DC converters of one input and multiple outputs without transformer
- 42.A New DC-DC Double Zeta Quadratic Converter

43. A Study Of Landsman, Sepic And Zeta Converter By Particle Swarm Optimization Technique
44. Speed Control of Brushless DC Motor using Zeta Converter
45. Implementation of Switched Mode Power Supply with Power Quality Enhancement using Zeta Converter
46. Bridgeless Isolated Zeta-Luo Converter Based EV Charger with PF Pre-regulation
47. Novel Modulation of Isolated Bidirectional DC-DC Converter for Energy Storage Systems
48. A High Performance Shade-Tolerant MPPT Based on Current-Mode Control.
49. High-Efficiency Bidirectional Buck-Boost Converter for Photovoltaic and Energy Storage Systems in a Smart Grid.
50. High Frequency PCB Winding Transformer with Integrated Inductors for a Bi-directional Resonant Converter.
51. A Highly Reliable and Efficient Class of Single Stage High-Frequency AC-Link Converters
52. Modulated Model Predictive Control for Modular Multilevel ACAC Converter
53. Optimal Phase Shift Control to Minimize Reactive Power for a Dual Active Bridge DC-DC Converter.

54. Analysis of the Impact of Electric Vehicle Charging Station on Power Quality Issues.
55. A Bidirectional Interactive Electric Vehicles Operation Modes: Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) Variations Within Smart Grid
56. Optimal Charging and Discharging Planning for Electric vehicles in Energy saving system.
57. Hybrid Modulation of Parallel-Series LLC Resonant Converter and Phase Shift Full-Bridge Converter for a Dual-Output DC–DC Converter.
58. Switched Capacitor Converter Based Multiport Converter Integrating Bidirectional PWM and Series-Resonant Converters for Standalone Photovoltaic Systems.
59. Performance Analysis of Fuzzy Logic Controlled DC-DC Converters.
60. A Single-Stage Three-Level AC/DC Converter for Wireless Power Transfer
61. A Novel High Voltage Gain Noncoupled Inductor SEPIC Converter
62. A New Non-Isolated Buck-Boost Converter with High Voltage Gain and Positive Output Voltage for Renewable Energy Applications
63. A Family of Coupled-Inductor-Based Soft-Switching DC–DC Converter With Double Synchronous Rectification.
64. Experimental Evaluation of Capacitors for Power Buffering in Single-Phase Power Converters.
65. Three Phase Single Stage Isolated Cuk based PFC Converter.

STAND-ALONE INVERTER AND MULTILEVEL INVERTER:

1. A Novel SEPIC-Ćuk Based High Gain Solar PV Micro-Inverter for Grid Integration
2. Multidimensional Pulsewidth Modulation for Cascaded Split-Source Inverter
3. A Single-Phase Common-Ground Five-Level Transformerless Inverter With Low Component Count for PV Applications
4. Cybersecurity of Smart Inverters in the Smart Grid: A Survey
5. A Current Controller Gain Characterization of Weak Grid Coupled Solar Inverter Through Impedance Interaction Modeling
6. Two Compact Three-Phase Multilevel Inverters for Low-Voltage Applications
7. A Novel Direct Torque Control Strategy of Two-Level Voltage Source Inverters for Eliminating Common-Mode Voltage Spikes Caused by Dead-Time Effect.
8. Modeling and Suppressing Conducted Electromagnetic Interference Noise for LCL/LLCL-Filtered Single-Phase Transformerless Grid-Connected Inverter
9. Novel Soft-Switched Three-Phase Inverter With Output Current Ripple Cancellation
10. Three-Phase Inverter Fed Adjustable Field IPMSM Drive Utilizing Zero-Sequence Current

11. Fuzzy Logic Control for Solar PV Fed Modular Multilevel Inverter Towards Marine Water Pumping Applications
12. Comparative Analysis of Hybrid NPP and NPC Seven-Level Inverter With Switched-Capacitor
13. Fuzzy Logic Control for Solar PV Fed Modular Multilevel Inverter Towards Marine Water Pumping Applications
14. Comparison of Fuzzy and ANFIS Controllers for Asymmetrical 31-Level Cascaded Inverter With Super Imposed Carrier PWM Technique
15. Realization of Cascaded H-bridge Multilevel Inverter based Grid Integrated Solar Energy System with Band Stop Generalized Integral Control
16. A New Switching Angle Calculation Method for a Symmetrical Multilevel Inverter
17. Hybrid Multi-Cell Single-Stage Reduced Switch Multilevel Inverter
18. Modified PWM Technique for a Multi-Pulse Converter fed Multilevel Inverter Based IM Drive
19. Ladder-Switch Based Multilevel Inverter with Reduced Devices Count
20. An Asymmetrical Cascaded Single-phase quasi Z-Source Multilevel Inverter with Reduced Number of Switches and Lower THD
21. Comprehensive Study Of Cascade Multilevel Inverters With Three Level Cells

22. Modulation and Voltage Balancing of a Five-Level Series-Connected Multilevel Inverter With Reduced Isolated Direct Current Sources
23. Cascadable Dual-Buck Multilevel Inverter Modules with Autonomous DC Capacitor Voltage Balance
24. Simulation for Fault Forbearance Operation for Three-Phase Three-level H-Bridge Multilevel Inverter by Space Vector Modulation technique
25. Modular Parallel Multi-Inverter System for High Power Inductive Power Transfer
26. A Fuzzy Logic Based Switching Methodology for a Cascaded H-Bridge Multilevel Inverter
27. Fuzzy Control Design for Quasi-Z-Source Three Phase Inverter.
28. A Novel Single Phase Multilevel Inverter Topology with Reduced Number of Switching Elements and Optimum THD Performance
29. A New Nine Level Inverter with Low TSV and Fewer Numbers of Components for Renewable Energy Systems
30. Design and Implementation of a Three-Phase Inverter Operated with Different Conduction Modes
31. Model Predictive Controller With Reduced Complexity for Grid-Tied Multilevel Inverters
32. A Very High Frequency Self-Oscillating Inverter Based on a Novel Free-Running Oscillator

- 33.A Three-Phase Asymmetric Multilevel Inverter for Standalone PV Systems.
- 34.PV-Battery Series Inverter Architecture: A Solar Inverter for Seamless Battery Integration With Partial-Power DC–DC Optimizer.
- 35.Optimal Switching Algorithm for Different Topologies of 15-Level Inverter Using Genetic Algorithm.
- 36.Performance Analysis for Single-Stage Buck-Boost Inverter.
- 37.Vector Current Control Derived from Direct Power Control for Grid-Connected Inverters.
- 38.Single-Stage Variable Turns Ratio High-Frequency Link Grid-Connected Inverter.
- 39.Design of Power Decoupling Strategy for SinglePhase Grid-Connected Inverter Under Non-Ideal Power Grid.

AC AND DC MICRO GRID.

1. A Novel Low Device Count Four-Port Converter Based Solar-Fed Off-Grid System for Catering Household Hybrid AC/DC Loads
2. Power Management System (PMS) in Smart Hybrid AC/DC Microgrids.
3. Unbalanced Voltage Compensation in Smart Hybrid Microgrids
4. Harmonic Compensation Control in Smart Hybrid Microgrids
5. Overview of Power Quality in Microgrids

6. Energy Management System (EMS) in Smart Hybrid Microgrids
7. DC–DC Converter and On-board DC Microgrid Stability
8. Control of ILC in an Autonomous AC–DC Hybrid Microgrid With Unbalanced Nonlinear AC Loads
9. Multicharacteristics Arc Model and Autocorrelation-Algorithm Based Arc Fault Detector for DC Microgrid
10. Smart Microgrid Control During Grid Disturbances
11. Multilevel Switching Mode Operation of Finite Set Model Predictive Control for Grid-Connected Packed E-Cell (PEC) Inverter
12. A Consensus-Based Algorithm for Power Sharing and Voltage Regulation in DC Microgrids
13. Design of A Model Reference Adaptive Controller (MRAC) for DC-DC Boost Converter for Variations in Solar Outputs using modified MIT Rule in an Islanded Microgrid
14. Modeling and Control of Current-Source Converter-Based AC Microgrids
15. Overview and Implementation of Power Management in PV-Battery-Hydro Based Standalone Microgrid
16. Modeling Power Flow within a Microgrid for Energy Storage Sizing
17. Microgrid System with Emulated PV Sources for Parallel and Intentional Islanding Operations
18. Review of Switching and Control Techniques of Solar Microgrids

- 19.A Consensus-Based Secondary Control Strategy for Hybrid ac/dc Microgrids with Experimental Validation
- 20.Location of Fault in a DC Microgrid using State Space Model Based Approach
- 21.MESO-based robustness voltage sliding mode control for AC islanded microgrid
- 22.A Broad Frequency Range Harmonic Reduction for Cascaded-Power-Cell-Based Islanded Microgrid With Lumped PCC Filter
- 23.Solid-State Circuit Breakers for D.C. Microgrid Applications
- 24.Lifetime Estimation of DC-link Capacitors in Adjustable Speed Drives Under Grid Voltage Unbalances.
- 25.Hybrid Electric Springs for Grid-tied Power Control and Storage Reduction in AC Microgrids.
- 26.A Model Predictive Current Controlled Bidirectional Three-level DCDC Converter for Hybrid Energy Storage System in DC Microgrids.
- 27.A Novel Forbidden-Region-Based Stability Criterion in Modified Sequence-Domain for AC GridConverter System
- 28.A Three-port Converter Based Distributed DC Gridconnected PV System with Autonomous Output Voltage-Sharing Control
- 29.Resonant Point Analysis of Generalized CLLC-Type DC Transformer in the Hybrid AC/DC Microgrid

30. Loadability Improvement of Unbalanced Hybrid AC-DC Microgrids
Using a Supervisory Control Scheme for Interlinking Converters
31. Arc analysis for the interlinking AC/DC buses in hybrid AC/DC building
microgrids
32. Power Converters for DC Microgrids – Modelling and Simulation
33. Energy Management of Multiple Microgrids Based on a System of
Systems Architecture
34. Microgrid Energy Management System for Reducing Required Power
Reserves.
35. Compromised Controller Design for Current Sharing and Voltage
Regulation in DC Microgrid
36. Capacity optimization of Distributed Generation for Stand-alone
Microgrid Considering Hybrid Energy Storage Systems
37. Design and Optimization of a Solar Power Conversion System for Space
Applications
38. Fractional Order PI Control for a Three-Phase Microgrid Application
39. An Efficient Fuzzy Logic Controlled-SMES for Isolated-Microgrid
System Considering High Wind Power Penetration.
40. A Novel Control Scheme for Enhancing the Transient Performance of an
Islanded Hybrid ACDC Microgrid

ELECTRICAL VEHICLES AND MOTOR DRIVES:

1. Frequency Folding for LLC Resonant Converters in EV Charging Applications.
2. Grid Impact Analysis and Mitigation of En-Route Charging Stations for Heavy-Duty Electric Vehicles
3. Analysis and Design of Adaptive Cruise Control for Smart Electric Vehicle with Domain-Based Poly-Service Loop Delay.
4. Dynamic Optical Wireless Power Transfer for Electric Vehicles.
5. An Economical Solar Water Pump with Grid and Battery Backup for Continuous Operation.
6. Frequency-Modulation-Based IPT With Magnetic Communication for EV Wireless Charging.
7. Compact Integrated Transformer – Grid Inductor Structure for E-Capless Single-Stage EV Charger.
8. Rotating Phase Shedding for Interleaved DC–DC Converter-Based EVs Fast DC Chargers
9. A Practical Data-Driven Battery State-of-Health Estimation for Electric Vehicles.
10. Deadline Differentiated Dynamic EV Charging Price Menu Design
11. Soft-Switching Operation With a Variable Switching Frequency Control for Switched-Quasi-Z-Source Bidirectional DC–DC Converter in EVs

12. Distributed Coordination of Charging Stations Considering Aggregate EV Power Flexibility.
13. Mobility in the Smart Grid: Roaming Protocols for EV Charging.
14. Photovoltaic based Brushless DC Motor Using Cuckoo Algorithm as a Maximum Power Point Tracking
15. Common Grounded Wide Voltage-Gain Range DC–DC Converter With Zero Input Current Ripple and Reduced Voltage Stresses for Fuel Cell Vehicles
16. Performance Analysis of Brushless Direct Current Motor Drive for Different types of DC-DC Converter Using MPPT
17. Modified PWM Technique for a Multi-Pulse Converter fed Multilevel Inverter Based IM Drive
18. Model Predictive Speed Control of DC-DC Buck Converter Driven DC-motor with Various Load Torque Values
19. A bidirectional DC-DC converter fed separately excited DC motor electric vehicle application
20. Elimination of Commutation Current Ripple in the BLDC Motor Based on DC-DC Converter using PR-Compensator
21. Development and Comparison of Controllers Based On ANFIS for Speed Control of a DC Motor
22. Hybrid back-to-back MMC system for variable speed AC machine drives
23. Independent Drive of Multiple AC Motors Using Amplitude Modulation

24. A Quasi-Three-Level PWM Scheme to Combat Motor Overvoltage in SiC-Based Single-Phase Drives
25. A Novel AC/AC Modular Multilevel Converter for Medium Voltage Variable Frequency Vector Controlled Induction Motor Drives
26. A 6-Wire 3-Phase Inverter Topology for Improved BLDC Performance and Harmonics
27. Performance Improvement in BLDC Motor Drive Using Self-Tuning PID Controller
28. Design and Simulation Analysis of Various Luo Converter Topologies fed BLDC Drive for Solar PV Applications
29. Design and Control of a BLDC Motor drive using Hybrid Modeling Technique and FPGA based Hysteresis Current Controller
30. On the Influence of the Load Parasitics on the CM Conducted EMI of BLDC Motor Drives
31. Fast Fault Diagnosis Method for Hall Sensors in Brushless DC Motor Drives
32. Low Switching Frequency Model Predictive Control of Three-Level Inverter-Fed IM Drives with Speed Sensorless and Field-Weakening Operation
33. Instantaneous Balancing of Neutral-Point Voltages for Stacked DC-Link Capacitors of a Multilevel Inverter for Dual-Inverter-Fed Induction Motor Drives

34. Load Cycle-Based Design Optimization of Induction Motor Drives for Highly Dynamic Applications
35. Performance Comparison of Fault-Tolerant Three-Phase Induction Motor Drives Considering Current and Voltage Limits
36. Speed Sensor less Model Predictive Control Based on Disturbance Observer for Induction Motor Drives
37. Positive Current Reference Generation based Current Control Technique for BLDC Motor Drives Applications
38. Solar Powered BLDC Motor Drive using CUK Converters for Water pumping
39. Web Monitoring And Speed Control Of Solar Based Bldc Motor With Iot
40. DTC based BLDC Motor Controlled Centrifugal Pump Fed by PI-BFO Tuning Strategy for Buck-Boost Converter in Solar PV Array Water Pumping System
41. Design, Improvement & Analysis of Solar Based Three-Stage Interleaved Boost Converter for BLDC Motor.

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