1. 50mV-Input Battery less Boost Converter for Thermal Energy Harvesting
2. A Digitally Controlled Switching Regulator With Reduced Conductive EMI Spectra
3. A Half-Bridge LLC Resonant Converter Adopting Boost PWM Control Scheme for Hold-Up State Operation
4. A High Switching Frequency MOSFET PWM Rectified Inverter System for AC Motor Drives Operating from Single Phase Supply
5. A Low Complexity Control System for a Hybrid DC Power Source Based on Ultra capacitor–Lead–Acid Battery Configuration
6. A Low-Power Asynchronous Step-Down DC–DC Converter for Implantable Devices
7. A Monitoring System for the Use of Solar Energy in Electric and Hybrid Electric Vehicles
8. A Novel Loaded-Resonant Converter for the Application of DC-to-DC Energy Conversions
9. A Novel Buck–Boost Converter Combining KY and Buck Converters
10. A Novel Control Scheme of Synchronous Buck Converter for ZVS in Light-Load Condition
11. A Novel Method For Sepic Based Controlled DC Motor
12. A Novel Method For Stepper Motor Direction And Speed Control
14. A Novel Soft-Switching Bidirectional DC-DC Converter with Coupled Inductors
15. A Novel Zero Voltage Transition Synchronous Buck Converter For Portable Application

17. A Six-Phase Current Reconstruction Scheme for Dual Traction Inverters in Hybrid Electric Vehicles with a Single DC-Link Current Sensor

18. A Two-Mode Control Scheme With Input Voltage Feed-Forward for the Two-Switch Buck-Boost DC–DC Converter

19. A Zero Voltage Transition Synchronous Buck Converter With An Active Auxiliary Circuit

20. Adaptive PI Control of STATCOM for Voltage Regulation

21. An Adaptive Nonlinear Current Observer for Boost PFC AC/DC Converters

22. An Add-On Self-Tuning Control System for a UPFC Application

23. An Advanced Power Electronics Interface for Electric Vehicles Applications


25. An Improved Dynamic Response Of Voltage Source Inverter Using Novel Hysteresis Dead Band Current Controller

26. An Isolated Multiport DC–DC Converter for Simultaneous Power Management of Multiple Different Renewable Energy Sources

27. Analysis and Mitigation of torsional Vibration of PM Brushless AC/DC Drives With Direct Torque Controller

28. Analysis and Control of DC-DC Controller for Solar Energy System

29. Analysis And Design Considerations Of Zero-Voltage Switching (Zvs) Full-Bridge Converters

30. Analysis, Design And Implementation Of Modified Single Phase Two Switch Inverter
31. Automatic Mode-Shifting Control Strategy with Input Voltage Feed-Forward for Full-Bridge Boost DC-DC Converter Suitable for Wide Input Voltage Range

32. Bridgeless SEPIC Converter With a Ripple-Free Input Current


34. Characterizing the Dynamics of the Peak-Current-Mode-Controlled Buck-Power-Stage Converter in Photovoltaic Applications

35. Damping of SSR Using Subsynchronous Current Suppressor With SSSC

36. DC Micro grid for Wind and Solar Power Integration

37. DC/DC Buck Power Converter as a Smooth Starter for a DC Motor based on a Hierarchical Control

38. Design And Implementation Of Multi-Frequency Digital Signal Generator

39. Design and implementation of SEPIC converter using MOSFET

40. Design Of A Single-Phase Rectifier With Improved Power Factor And Low THD Using Boost Converter Technique

41. Design Of A Synchronous Buck Converter Circuit With An Integrated Schottky Diode

42. Development of BLDC Motor Drive for Automotive Water Pump Systems

43. Digital Average Current Controlled Switching DC–DC Converters With Single-Edge Modulation

44. Digital Average Current-Mode Control Using Current Estimation and Capacitor Charge Balance Principle for DC–DC Converters Operating in DCM

45. Digital Controlled Solar Moving Vehicle For Industrial Application
46. Digital DCM Detection and Mixed Conduction Mode Control for Boost PFC Converters

47. Digital Plug-In Repetitive Controller for Single-Phase Bridgeless PFC Converters

48. Dynamic Characterization of Power Electronic Interfaces

49. Filter based non-invasive control of chaos in Buck converter

50. Fuzzy Logic Based MPPT for Photovoltaic Modules Influenced by Solar Irradiation and Cell Temperature

51. Harmonic Reduction In Hybrid Filters For Power Quality Improvement In Distribution Systems

52. Hierarchical Control of Parallel AC-DC Converter Interfaces for Hybrid Micro grids

53. High efficiency half-bridge Single-Phase Z-Source inverter For Ups Applications

54. High Efficiency Switched Capacitor Buck-Boost Converter for PV Application

55. High frequency PWM controlled step-up chopper type DC–DC power converters with reduced peak switch voltage stress

56. High Performance And Low Cost Single Phase Motor Using Ac-Chopper

57. High performance four three leg four switch inverter for ac motor.

58. High Temperature Controlled In Soldering Station Using Relay System

59. Hybrid Dual Full-Bridge DC–DC Converter With Reduced Circulating Current, Output Filter, and Conduction Loss of Rectifier Stage for RF Power Generator Application

60. Hybrid Voltage and Current Control Approach for DG-Grid Interfacing Converters With LCL filters
61. Hybrid-Switching Full-Bridge DC–DC Converter With Minimal Voltage Stress of Bridge Rectifier, Reduced Circulating Losses, and Filter Requirement for Electric Vehicle Battery Chargers

62. Impact of Midpoint STATCOM on Generator Loss of Excitation Protection

63. Implementation Of DVR To Maintain The Voltage Stability In Transmission Line

64. Irf840 Based Controlled Rectifier For High Power Applications
65. Isolated Boost Converters
66. LCL 1PHASE VSC Converter for High-Power Applications
67. Medium line voltage control used by DSTATCOM

68. Minimum Time Control for Multiphase Buck Converter: Analysis and Application
69. Mitigation of Faults in the Distribution System by Distributed Static Compensator (DSTATCOM)
70. Modeling and Control of a Single-Phase two-Switch PWM Voltage-Source Rectifier
71. Modeling and Control System Design of a Grid Connected VSC Considering the Effect of the Interface Transformer Type
72. Modeling, Simulation and Implementation of Speed Control of DC Motor Using PIC 16F877A
73. Multivariable Control of Single-Inductor Dual-Output Buck Converters
74. New Extendable Single-Stage Multi-Input DC-DC/AC Boost Converter
75. Noiseless Direction Control Of Dc Motor Using SPWM Control

76. Nonlinear Power Sharing Controller for a Double-Input H-Bridge-Based Buckboost–Buckboost Converter
77. Novel Direct Power Control for Compensating Voltage Unbalance and Load Fluctuations in PWM Rectifiers
78. Novel Techniques to Suppress the Common-Mode EMI Noise Caused by Transformer Parasitic Capacitances in DC–DC Converters
80. On the Limit of the Output Capacitor Reduction in Power-Factor Correctors by Distorting the Line Input Current
81. On the Robust Control of Buck-Converter DC-Motor Combinations
82. Optimizing Efficiency Driver Comprising Phase-Locked Loop for the Single-Phase Brushless DC Fan Motor
83. Performance Evaluation Of Bridgeless PFC Boost Rectifiers Using Timer Circuit
84. PIC CONTROLLER-Based Implementation of Fuzzy Output Tracking Control for a Boost Converter
85. Predictive Valley Current Control for Two Inductor Boost Converter
86. Pulse Width Modulated Buck-Boost Current Source Inverters
87. Quasi Sliding Mode Controller for Single Phase PFC Boost Converter
88. Resonance-Assisted Buck Converter for Offline Driving of Power LED Replacement Lamps
89. Robust Time-Delay Control for the DC–DC Boost Converter
90. Semiconductor Switching Losses And Harmonic Investigations In Cascaded Inverters
91. Sensor less Control of BLDC Motor Drive for an Automotive Fuel Pump Using a Hysteresis Comparator
92. SHE-PWM Cascaded Multilevel Inverter with Adjustable DC Voltage Levels Control for STATCOM Applications

93. Soft Computing Technique for Double Boost Converter Fed PMDC Drive

94. Solar Based Design And Implementation Of Cuk Converter

95. Solar Based High Performance Intelligent Mobile Battery Charger Using Pic Controller

96. Solar Battery Chargers for NIMH Batteries

97. Solar Fan With Lighting With Auto Changeover System

98. Tapped-Inductor Buck HB-LED AC–DC Driver Operating in Boundary Conduction Mode for Replacing Incandescent Bulb Lamps

99. The New Maximum Power Point Tracking Algorithm using ANN-Based Solar PV Systems

100. Time-Domain Design of Digital Compensators for PWM DC-DC Converters

101. Universal Digital Controller for Boost CCM Power Factor Correction Stages Based on Current Rebuilding Concept

102. Using A Buck Converter In An Inverting Buck-Boost Topology

103. Voltage Sag And Swell Control Use The Facts Device

104. ZVS-PWM Active-Clamping Modified CUK Converter Based MPPT for Solar PV Modules

105. Γ-Z-Source Inverters