POWER ELECTRONICS IEEE PROJECTS 2014-2015

1. An active damper for stabilizing power-electronics based AC systems
2. Multi-fed power electronic transformer for use in modern distribution systems
3. High step-up interleaved converter with built-In transformer voltage multiplier cells for sustainable energy application
4. Input current ripple cancellation technique for boost converter using tapped inductor
5. Control strategy for current harmonic programmed AC active electronic power loads
6. Voltage-fed dual active bridge bidirectional DC/DC Converter with an immittance network
7. Five-level diode-clamped inverter with three-level boost converter
8. A Cockcroft-walton voltage multiplier fed by a three-phase-to-single-phase mateix converter with PFC
9. Combined bidirectional buck-boost DC-DC chopper-mode inverters with high-frequency link
10. Universal digital controller for boost CCM power factor correction stages based on current rebuilding concept
11. Steady-state and dynamic input current low-frequency ripple evaluation and reduction in two-stage single-phase inverters with back current gain model
12. Operation modes analysis and limitation for diode-assisted buck-boost voltage source inverter with small voltage vector
13. A novel transformers-less adaptable voltage quadruple DC converter with low switch voltage stress
14. A switched-capacitor-based active-network converter with high voltage gain
15. PWM strategies for common–voltage reduction in current source drives
16. A ZVS-PWM full bridge converter with reduced conduction losses
17. A pulse igniting circuit for electronic ballast with ZVS-QSW converter
18. A TRIAC dimmable single-switch electronic ballast with power factor correction and lamp power regulation
19. Latency-based approach to the simulation of large power electronic system
20. Survey of fault-tolerant technique for power electronic converter
21. Single-power conversion AC-DC converter with high power factor and high efficiency
22. Low distortion switching amplifier with discreet-time click modulation
23. A nine-level grid-connected converter topology for single phase transformer less PV Systems
24. Harmonic reduction method for single phase DC-AC converter without an output converter
25. Analysis and design of grid-connected photovoltaic system with multiple integrated converters and pseudo-DC-LINK inverter
26. Single power-conversion LED backlight driving system with high power factor control
27. An online battery impedance measurement method using DC-DC power converter control
28. A single-stage power electronic transformer for a three-phase PWM AC/AC drive with source-based communication of leakage energy and common-mode voltage suppression
29. A boundary-mode forward-fly back converter with an efficient active LC snubber circuit
30. Modulated model predictive control for a seven-level cascaded H-bridge back-to-back converter
31. Multi rate repetitive control for PWMDC/AC converters
32. Suppression of common-mode voltage using a multicentre photovoltaic inverter topology with synchronized PWM
33. A zero-voltage switching three phase inverter
34. A multilevel medium-voltage inverter for step-up-transformer-less grid