

## **ELECTRICAL PROJECTS USING MATLAB/SIMULINK**

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**ACADEMIC MATLAB SIMULATION 2014/15/16/17/18 PROJECTS FOR**

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<b>S NO</b>	<b>CODE</b>	<b>PROJECT TITLE</b>	<b>YEAR</b>	<b>JOURNAL</b>
1	AT18-01	An Improved Current-Limiting Strategy for Shunt Active Power Filter (SAPF) Using Particle Swarm Optimization (PSO)	2018	IEEE
2	AT18-02	Transformerless Z-Source Four-Leg PV Inverter with Leakage Current Reduction	2018	IEEE

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1	<b>AT17-01</b>	A Comparative Study of Different Multilevel Converter Topologies for Battery Energy Storage Application	<b>2017</b>	<b>IEEE</b>
2	<b>AT17-02</b>	A Low Cost Speed Estimation Technique for Closed Loop Control of BLDC Motor Drive	<b>2017</b>	<b>IEEE</b>
3	<b>AT17-03</b>	A Synchronous Generator Based Diesel-PV Hybrid Micro-grid with Power Quality Controller	<b>2017</b>	<b>IEEE</b>
4	<b>AT17-04</b>	A Synchronous Generator Based Diesel-PV Hybrid Micro-grid with Power Quality Controller	<b>2017</b>	<b>IEEE</b>
5	<b>AT17-05</b>	An Intelligent Fuzzy Sliding Mode Controller for a BLDC Motor	<b>2017</b>	<b>IEEE</b>
6	<b>AT17-06</b>	Analysis Of Solar Energy Embedded To Distribution Grid For Active & Reactive Power Supply To Grid	<b>2017</b>	<b>IEEE</b>
7	<b>AT17-07</b>	Cascaded Multilevel Inverter Based Electric Spring for Smart Grid Applications	<b>2017</b>	<b>IEEE</b>
8	<b>AT17-08</b>	Comparative Simulation Results of DVR and D-STATCOM to Improve Voltage Quality in Distributed Power System	<b>2017</b>	<b>IEEE</b>

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9	<b>AT17-09</b>	Design and Evaluation of a Mini-Size SMES Magnet for Hybrid Energy Storage Application in a kW-Class Dynamic Voltage Restorer	<b>2017</b>	<b>IEEE</b>
10	<b>AT17-10</b>	Design of PID-Fuzzy for Speed Control of Brushless DC Motor in Dynamic Electric Vehicle to Improve Steady-State Performance	<b>2017</b>	<b>IEEE</b>
11	<b>AT17-11</b>	Direct Torque Control of PM BLDC Motor Using Fuzzy Controllers	<b>2017</b>	<b>IEEE</b>
12	<b>AT17-12</b>	Double Closed Loop Control for BLDC based on whole Fuzzy Controller	<b>2014</b>	<b>IEEE</b>
13	<b>AT17-13</b>	Dual-Bridge LLC Resonant Converter With Fixed-Frequency PWM Control for Wide Input Applications	<b>2017</b>	<b>IEEE</b>
14	<b>AT17-14</b>	Ensuring Power Quality and Stability in Industrial and Medium Voltage Public Grids	<b>2017</b>	<b>IEEE</b>
15	<b>AT17-15</b>	High Performance Non-Salient Sensorless BLDC Motor Control Strategy from Standstill to High Speed	<b>2017</b>	<b>IEEE</b>
16	<b>AT17-16</b>	Indirect Speed Estimation of High Speed Brushless DC Motor Drive Using Fuzzy Logic Current Compensator	<b>2017</b>	<b>IEEE</b>

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17	<b>AT17-17</b>	Modeling and Simulation of Closed Loop Speed Control for BLDC Motor	<b>2017</b>	<b>IEEE</b>
18	<b>AT17-18</b>	Nine-level Asymmetrical Single Phase Multilevel Inverter Topology with Low switching frequency and Reduce device counts	<b>2017</b>	<b>IEEE</b>
19	<b>AT17-19</b>	Novel Approach Employing Buck-Boost Converter as DC-Link Modulator and Inverter as AC-Chopper for Induction Motor Drive Applications: An Alternative to Conventional AC-DC-AC Scheme	<b>2017</b>	<b>IEEE</b>
20	<b>AT17-20</b>	PWAM Controlled Quasi-Z Source Motor Drive	<b>2017</b>	<b>IEEE</b>
21	<b>AT17-21</b>	Simulation and Control of Solar Wind Hybrid Renewable Power System	<b>2017</b>	<b>IEEE</b>
22	<b>AT17-22</b>	Improved Dynamic Performance of Shunt Active Power Filter Using Particle Swarm Optimization	<b>2017</b>	<b>IEEE</b>
23	<b>AT17-23</b>	Particle Swarm Optimization Based Shunt Active Harmonic Filter for Harmonic Compensation	<b>2017</b>	<b>IEEE</b>
24	<b>AT17-24</b>	Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC		

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1	<b>AT16-01</b>	A Generation of Higher Number of Voltage Levels by stacking inverters of lower multilevel structure with low voltage devices for drives	<b>2016</b>	<b>IEEE</b>
2	<b>AT16-02</b>	A Novel Multilevel Multi-Output Bidirectional Active Buck PFC Rectifier	<b>2016</b>	<b>IEEE</b>
3	<b>AT16-03</b>	Optimal Pulse width Modulation of Medium-Voltage Modular Multilevel Converter	<b>2016</b>	<b>IEEE</b>
4	<b>AT16-04</b>	Novel Family of Single-Phase Modified Impedance-Source Buck-Boost Multilevel Inverters with Reduced Switch Count	<b>2016</b>	<b>IEEE</b>
5	<b>AT16-05</b>	Adaptive Neuro Fuzzy Inference System Least Mean Square Based Control Algorithm for DSTATCOM	<b>2016</b>	<b>IEEE</b>
6	<b>AT16-06</b>	An Islanding Detection Method for Inverter-Based Distributed Generators Based on the Reactive Power Disturbance	<b>2016</b>	<b>IEEE</b>
7	<b>AT16-07</b>	Quasi-Z-Source Inverter With a T-Type Converter in Normal and Failure Mode	<b>2016</b>	<b>IEEE</b>
8	<b>AT16-08</b>	Real-Time Implementation of Model Predictive Control on 7-Level Packed U-Cell Inverter	<b>2016</b>	<b>IEEE</b>
9	<b>AT16-09</b>	High frequency inverter topologies integrated with the coupled inductor bridge arm	<b>2016</b>	<b>IET</b>

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10	<b>AT16-10</b>	Dynamic voltage restorer employing multilevel cascaded H-bridge inverter	<b>2016</b>	<b>IET</b>
11	<b>AT16-11</b>	Active power compensation method for single-phase current source rectifier without extra active switches	<b>2016</b>	<b>IET</b>
12	<b>AT16-12</b>	Cascaded multilevel inverter using series connection of novel capacitor-based units with minimum switch count	<b>2016</b>	<b>IET</b>
13	<b>AT16-13</b>	Design and Implementation of a Novel Multilevel DC-AC Inverter	<b>2016</b>	<b>IEEE</b>
14	<b>AT16-14</b>	A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion with Less Number of Components	<b>2016</b>	<b>IEEE</b>
15	<b>AT16-15</b>	Circulating current derivation and comprehensive compensation of cascaded STATCOM under asymmetrical voltage conditions	<b>2016</b>	<b>IET</b>
16	<b>AT16-16</b>	Design and implementation of a novel three-phase cascaded half-bridge inverter	<b>2016</b>	<b>IET</b>
17	<b>AT16-17</b>	Grid connected three-phase multiple-pole multilevel unity power factor rectifier with reduce components count	<b>2016</b>	<b>IET</b>
18	<b>AT16-18</b>	Control of Ripple Eliminators to Improve the Power Quality of DC Systems and Reduce the Usage of Electrolytic Capacitors	<b>2016</b>	<b>IEEE</b>

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19	<b>AT16-19</b>	Design of External Inductor for Improving Performance of Voltage Controlled DSTATCOM	<b>2016</b>	<b>IEEE</b>
20	<b>AT16-20</b>	An Enhanced Single Phase Step-Up Five-Level Inverter	<b>2016</b>	<b>IEEE</b>
21	<b>AT16-21</b>	A Hybrid-STATCOM with Wide Compensation Range and Low DC-Link Voltage	<b>2016</b>	<b>IEEE</b>
22	<b>AT16-22</b>	A Capacitor Voltage-Balancing Method for Nested Neutral Point Clamped (NNPC) Inverter	<b>2016</b>	<b>IEEE</b>
23	<b>AT16-23</b>	T-type direct AC/AC converter structure	<b>2016</b>	<b>IET</b>
24	<b>AT16-24</b>	Modular Multilevel Converter Circulating Current Reduction Using Model Predictive Control	<b>2016</b>	<b>IEEE</b>
25	<b>AT16-25</b>	Parallel inductor multilevel current source inverter with energy – recovery scheme for inductor currents balancing	<b>2016</b>	<b>IET</b>
26	<b>AT16-26</b>	Open-Circuit Fault-Tolerant Control for OuterSwitches of Three-Level Rectifiers in Wind Turbine Systems	<b>2016</b>	<b>IEEE</b>
27	<b>AT16-27</b>	Enhancing DFIG wind turbine during three phase fault using parallel interleaved converters and dynamic resistor	<b>2016</b>	<b>IET</b>



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28	<b>AT16-28</b>	Load Model for Medium Voltage Cascaded H-Bridge Multi-Level Inverter Drive Systems	<b>2016</b>	<b>IEEE</b>
29	<b>AT16-29</b>	Development and Comparison of an Improved Incremental Conductance Algorithm for Tracking the MPP of a Solar PV Panel	<b>2016</b>	<b>IEEE</b>
30	<b>AT16-30</b>	Impact of Switching Harmonics on Capacitor Cells Balancing in Phase-Shifted PWM Based Cascaded H-Bridge STATCOM	<b>2016</b>	<b>IEEE</b>
31	<b>AT16-31</b>	Effect of circulating current on input line current of 12-pulse rectifier with active inter-phase reactor	<b>2016</b>	<b>IET</b>
32	<b>AT16-32</b>	Modular Multilevel Converter-Based Bipolar High-Voltage Pulse Generator With Sensorless Capacitor Voltage Balancing Technique	<b>2016</b>	<b>IEEE</b>
33	<b>AT16-33</b>	Power-Electronics-Based Energy Management System With Storage	<b>2016</b>	<b>IEEE</b>
34	<b>AT16-34</b>	Modulation and Control of Transformerless UPFC	<b>2016</b>	<b>IEEE</b>
35	<b>AT16-35</b>	A Hybrid Simulation Model for VSC HVDC	<b>2016</b>	<b>IEEE</b>
36	<b>AT16-36</b>	Switching Control of Buck Converter Based on Energy Conservation Principle	<b>2016</b>	<b>IEEE</b>

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37	<b>AT16-37</b>	A Three-Phase Multilevel HybridSwitched-Capacitor PWM PFC Rectifier for High-Voltage-Gain Applications	<b>2016</b>	<b>IET</b>
38	<b>AT16-38</b>	A dc-Side Sensorless Cascaded H-Bridge Multilevel Converter Based PhotovoltaicSystem	<b>2016</b>	<b>IEEE</b>
39	<b>AT16-39</b>	Phase angle calculation dynamics of type-4wind turbines in rms simulations during severe voltage dips	<b>2016</b>	<b>IET</b>
40	<b>AT16-40</b>	A Multi-Level Converter with a Floating Bridge for Open-Ended Winding Motor Drive Applications	<b>2016</b>	<b>IEEE</b>
41	<b>AT16-41</b>	Model Predictive Control of Quasi-Z-SourceFour-Leg Inverter	<b>2016</b>	<b>IEEE</b>
42	<b>AT16-42</b>	Using Multiple Reference Frame Theory for Considering Harmonics in Average-Value Modeling of Diode Rectifiers	<b>2016</b>	<b>IEEE</b>
43	<b>AT16-43</b>	Cascaded Dual Model Predictive Control of an Active Front-End Rectifier	<b>2016</b>	<b>IEEE</b>
44	<b>AT16-44</b>	Simple Time Averaging Current Quality Evaluation of a Single-Phase Multilevel PWM Inverter	<b>2016</b>	<b>IEEE</b>
45	<b>AT16-45</b>	Nonlinear Control of Single-PhasePWM Rectifiers With InherentCurrent-Limiting Capability	<b>2016</b>	<b>IET</b>

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46	<b>AT16-46</b>	Impact of SFCL on the Four Types of HVDC Circuit Breakers by Simulation	<b>2016</b>	<b>IEEE</b>
47	<b>AT16-47</b>	An Adaptive SPWM Technique for Cascaded Multilevel Converters with Time-Variant DC Sources	<b>2016</b>	<b>IEEE</b>
48	<b>AT16-48</b>	Model-Based Control for a Three-Phase ShuntActive Power Filter	<b>2016</b>	<b>IEEE</b>
49	<b>AT16-49</b>	Design of a multi-level inverter with reactive power control ability for connecting PV cells to the grid	<b>2016</b>	<b>IEEE</b>
50	<b>AT16-50</b>	DSTATCOM supported induction generator for improving power quality	<b>2016</b>	<b>IET</b>
51	<b>AT16-51</b>	Improved equal current approach for reference current generation in shunt applications underunbalanced and distorted source and load conditions	<b>2016</b>	<b>IET</b>
52	<b>AT16-52</b>	A Hybrid-STATCOM With Wide Compensation Range and Low DC-Link Voltage	<b>2016</b>	<b>IEEE</b>
53	<b>AT16-53</b>	Design of External Inductor for Improving Performance of Voltage-Controlled DSTATCOM	<b>2016</b>	<b>IEEE</b>
54	<b>AT16-54</b>	Full-Bridge Reactive Power Compensator With Minimized-Equipped Capacitor and Its Application to Static Var Compensator	<b>2016</b>	<b>IEEE</b>

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55	<b>AT16-55</b>	A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion With Less Number of Components	<b>2016</b>	<b>IEEE</b>
56	<b>AT16-56</b>	Efficient Implicit Model Predictive Control of Three Phase Inverter with an Output LC Filter	<b>2016</b>	<b>IEEE</b>
57	<b>AT16-57</b>	Single-stage Three-phase Differential-mode Buck-Boost Inverters with Continuous Input Current for PV Applications	<b>2016</b>	<b>IEEE</b>
58	<b>AT16-58</b>	Soft-start control strategy for the three phase grid-connected inverter with LCL filter	<b>2016</b>	<b>IEEE</b>
59	<b>AT16-59</b>	High-Gain Single-Stage Boosting Inverter For Photovoltaic Applications	<b>2016</b>	<b>IET</b>
60	<b>AT16-60</b>	Multilevel Inverter Topologies With Reduced Device Count: A Review	<b>2016</b>	<b>IEEE</b>
61	<b>AT16-61</b>	Real time implementation of unity power factor correction converter based on fuzzy logic	<b>2016</b>	<b>IEEE</b>
62	<b>AT16-62</b>	Power Factor Correction in BLDC motor Drives Using DC-DC Converters	<b>2016</b>	<b>IEEE</b>
63	<b>AT16-63</b>	Transformerless Single-Phase Universal Active Filter With UPS Features and Reduced Number of Electronic Power Switches	<b>2016</b>	<b>IEEE</b>

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64	<b>AT16-64</b>	PI tuning of Shunt Active Filter using GA and PSO algorithm	<b>2016</b>	<b>IEEE</b>
65	<b>AT16-65</b>	PSO – PI Based DC Link Voltage Control Technique for Shunt Hybrid Active Power Filter	<b>2016</b>	<b>IEEE</b>
66	<b>AT16-66</b>	Artificial Neural Network based Three Phase Shunt Active Power Filter	<b>2016</b>	<b>IEEE</b>
67	<b>AT16-67</b>	Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC	<b>2016</b>	<b>IEEE</b>

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1	<b>AT15-01</b>	A High Gain Input-Parallel Output-Series DC/DC Converter with Dual Coupled Inductors	<b>2015</b>	<b>IEEE</b>
2	<b>AT15-02</b>	A High Step-Up Converter with Voltage-Multiplier Modules for Sustainable Energy Applications	<b>2015</b>	<b>IEEE</b>
3	<b>AT15-03</b>	A High Step-Up DC to DC Converter Under Alternating Phase Shift Control for Fuel Cell Power System	<b>2015</b>	<b>IEEE</b>
4	<b>AT15-04</b>	High-Efficiency MOSFET Transformerless Inverter for Non-isolated Microinverter Applications	<b>2015</b>	<b>IEEE</b>
5	<b>AT15-05</b>	A Multi-Input Bridgeless Resonant AC-DC Converter for Electromagnetic Energy Harvesting	<b>2015</b>	<b>IEEE</b>
6	<b>AT15-06</b>	A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM with Star Configuration	<b>2015</b>	<b>IEEE</b>
7	<b>AT15-07</b>	A Novel High Step-up DC/DC Converter Based on Integrating Coupled Inductor and Switched-Capacitor Techniques for Renewable Energy Applications	<b>2015</b>	<b>IEEE</b>

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8	<b>AT15-08</b>	A Function Based Maximum Power Point Tracking Method for Photovoltaic Systems	<b>2015</b>	<b>IEEE</b>
9	<b>AT15-09</b>	A Three-Phase Grid Tied SPV System With Adaptive DC Link Voltage for CPI Voltage Variations	<b>2015</b>	<b>IEEE</b>
10	<b>AT15-10</b>	Design of External Inductor for Improving Performance of Voltage Controlled DSTATCOM	<b>2015</b>	<b>IEEE</b>
11	<b>AT15-11</b>	Grid-Connected PV Array with Supercapacitor Energy Storage System for Fault Ride Through	<b>2015</b>	<b>IEEE</b>
12	<b>AT15-12</b>	Grid-Connected PV-Wind-Battery based Multi-Input Transformer Coupled Bidirectional DC-DC Converter for household Applications	<b>2015</b>	<b>IEEE</b>
13	<b>AT15-13</b>	MPPT with Single DC-DC Converter and Inverter for Grid Connected Hybrid Wind-Driven PMSG-PV System	<b>2015</b>	<b>IEEE</b>
14	<b>AT15-14</b>	Application of Neural Networks in Power Quality	<b>2015</b>	<b>IEEE</b>
15	<b>AT15-15</b>	Neuro Fuzzy based controller for Power Quality Improvement	<b>2015</b>	<b>IEEE</b>

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1	<b>AT14-01</b>	A Modified Three-Phase Four-Wire UPQC Topology With Reduced DC-Link Voltage Rating	<b>2013-14</b>	<b>IEEE</b>
2	<b>AT14-02</b>	FPGA-Based Predictive Sliding Mode Controller of a Three-Phase Inverter	<b>2013-14</b>	<b>IEEE</b>
3	<b>AT14-03</b>	Pulsewidth Modulation of Z-Source Inverters With Minimum Inductor Current Ripple	<b>2014-15</b>	<b>IEEE</b>
4	<b>AT14-04</b>	Improving the Dynamics of Virtual-Flux-Based Control of Three-Phase Active Rectifiers	<b>2014-15</b>	<b>IEEE</b>
5	<b>AT14-05</b>	Sensorless Induction Motor Drive Using Indirect Vector Controller and Sliding-Mode Observer for Electric Vehicles	<b>2013-14</b>	<b>IEEE</b>
6	<b>AT14-06</b>	Back-Propagation Control Algorithm for Power Quality Improvement Using DSTATCOM	<b>2014-15</b>	<b>IEEE</b>
7	<b>AT14-07</b>	A Zero-Voltage Switching Three-Phase Inverter	<b>2014-15</b>	<b>IEEE</b>
8	<b>AT14-08</b>	Control of Reduced-Rating Dynamic Voltage Restorer With a Battery Energy Storage System	<b>2014-15</b>	<b>IEEE</b>
9	<b>AT14-09</b>	A Combination of Shunt Hybrid Power Filter and Thyristor-Controlled Reactor for Power Quality	<b>2014-15</b>	<b>IEEE</b>



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10	<b>AT14-10</b>	A Transformerless Grid-Connected Photovoltaic System Based on the Coupled Inductor Single-Stage Boost Three-Phase Inverter	<b>2014-15</b>	<b>IEEE</b>
11	<b>AT14-11</b>	LCL Filter Design and Performance Analysis for Grid-Interconnected Systems	<b>2014-15</b>	<b>IEEE</b>
12	<b>AT14-12</b>	An Inductively Active Filtering Method for Power-Quality Improvement of Distribution Networks With Nonlinear Loads	<b>2013-14</b>	<b>IEEE</b>
13	<b>AT14-13</b>	A Bidirectional-Switch-Based Wide-Input Range High-Efficiency Isolated Resonant Converter for Photovoltaic Applications	<b>2014-15</b>	<b>IEEE</b>
14	<b>AT14-14</b>	Analysis and Implementation of an Improved Flyback Inverter for Photovoltaic AC Module Applications	<b>2014-15</b>	<b>IEEE</b>
15	<b>AT14-15</b>	Speed Sensorless Vector Controlled Induction Motor Drive Using Single Current Sensor	<b>2013-14</b>	<b>IEEE</b>
16	<b>AT14-16</b>	A Novel Design and Optimization Method of an LCL Filter for a Shunt Active Power Filter	<b>2014-15</b>	<b>IEEE</b>
17	<b>AT14-17</b>	An Active Harmonic Filter Based on One-Cycle Control	<b>2014-15</b>	<b>IEEE</b>

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<b>S NO</b>	<b>CODE</b>	<b>PROJECT TITLE</b>	<b>YEAR</b>	<b>JOURNAL</b>
18	<b>AT14-18</b>	A Nine-Level Grid-Connected Converter Topology for Single-Phase Transformerless PV Systems	<b>2014-15</b>	<b>IEEE</b>
19	<b>AT14-19</b>	Modeling and Design of Voltage Support Control Schemes for Three-Phase Inverters Operating Under Unbalanced Grid Conditions	<b>2014-15</b>	<b>IEEE</b>
20	<b>AT14-20</b>	Cascaded Two-Level Inverter-Based Multilevel STATCOM for High-Power Applications	<b>2014-15</b>	<b>IEEE</b>
21	<b>AT14-21</b>	A Voltage-Controlled DSTATCOM for Power-Quality Improvement	<b>2014-15</b>	<b>IEEE</b>
22	<b>AT14-22</b>	Solar PV and Battery Storage Integration using a New Configuration of a Three-Level NPC Inverter With Advanced Control Strategy	<b>2014-15</b>	<b>IEEE</b>
23	<b>AT14-23</b>	A Current Control MPPT Method in High Power Solar Energy Conversion System	<b>2014-15</b>	<b>IEEE</b>
24	<b>AT14-24</b>	A Novel Five-Level Inverter for Solar System	<b>2014-15</b>	<b>IEEE</b>
25	<b>AT14-25</b>	A Single-Stage Three-Phase Grid-Connected Photo-Voltaic System With Fractional Order MPPT	<b>2014-15</b>	<b>IEEE</b>

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26	<b>AT14-26</b>	Design and Implementation of Sliding Mode and PI Controllersbased Control for Three Phase Shunt Active Power Filter	<b>2014-15</b>	<b>IEEE</b>
27	<b>AT14-27</b>	Implementation of Adaptive Filter in Distribution Static Compensator	<b>2014-15</b>	<b>IEEE</b>
28	<b>AT14-28</b>	A Comparison of Soft-Switched DC-to-DC Converters for Electrolyzer Application	<b>2014-15</b>	<b>IEEE</b>
29	<b>AT14-29</b>	Adaptive fuzzy controller based MPPT for photovoltaic systems	<b>2014-15</b>	<b>IEEE</b>
30	<b>AT14-30</b>	Design of Fuzzy Logic Based Maximum Power Point Tracking Controller for Solar Array for Cloudy Weather Conditions.	<b>2014-15</b>	<b>IEEE</b>
31	<b>AT14-31</b>	Dynamic Behavior of DFIG Wind Turbine Under Grid Fault Conditions	<b>2014-15</b>	<b>IEEE</b>
32	<b>AT14-32</b>	Fuzzy-Logic-Controller-Based SEPIC Converter for Maximum Power Point Tracking	<b>2014-15</b>	<b>IEEE</b>
33	<b>AT14-33</b>	Performance Improvement of Direct Power Control of PWM Rectifier With Simple Calculation	<b>2014-15</b>	<b>IEEE</b>

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34	<b>AT14-34</b>	FLC-Based DTC Scheme to Improve the Dynamic Performance of an IM Drive	<b>2014-15</b>	<b>IEEE</b>
35	<b>AT14-35</b>	Single Phase Grid-Connected Photovoltaic Inverter for Residential Application with Maximum Power Point Tracking	<b>2014-15</b>	<b>IEEE</b>
36	<b>AT14-36</b>	Improved Active Power Filter Performance for Renewable Power Generation Systems	<b>2014-15</b>	<b>IEEE</b>
37	<b>AT14-37</b>	Micro Wind Power Generator with Battery Energy Storage for Critical Load	<b>2014-15</b>	<b>IEEE</b>
38	<b>AT14-38</b>	Power Conditioning in Distribution Systems Using ANN Controlled Shunt Hybrid Active Power Filter	<b>2014</b>	<b>IEEE</b>
39	<b>AT14-39</b>	Power Quality Improvement Using UPQC Integrated with Distributed Generation Network	<b>2014</b>	<b>IEEE</b>
40	<b>AT14-40</b>	Single- and Two-Stage Inverter based grid connected Photovoltaic Power Plants with Ride-Through under Grid Faults	<b>2014</b>	<b>IEEE</b>

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