

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

ACADEMIC MATLAB SIMULATION 2014/15/16 PROJECTS FOR

- **ELECTRICAL AND ELECTRONICS ENGINEERING [EEE]**
- **POWER ELECTRONICS AND DRIVES [PED]**
- **POWER SYSTEMS [PS]....**

We Can also Develop Your Own Ideas and Your IEEE Papers With Extension also...

We also write papers for your projects and give guidance for paper publishing.

For Further Details Call Us @

0-9347143789/9949240245

Visit us at: www.asokatechnologies.in

For Abstracts of IEEE papers and For Any Queries

Mail us : asokatechnologies@gmail.com

ASOKA TECHNOLOGIES

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
1	AT16-01	Generation of Higher Number of Voltage Levels by stacking inverters of lower multilevel structure with low voltage devices for drives	2016	IEEE
2	AT16-02	A Novel Multilevel Multi-Output Bidirectional Active Buck PFC Rectifier	2016	IEEE
3	AT16-03	Optimal Pulse width Modulation of Medium-Voltage Modular Multilevel Converter	2016	IEEE
4	AT16-04	Novel Family of Single-Phase Modified Impedance-Source Buck-Boost Multilevel Inverters with Reduced Switch Count	2016	IEEE
5	AT16-05	Adaptive Neuro Fuzzy Inference System Least Mean Square Based Control Algorithm for DSTATCOM	2016	IEEE
6	AT16-06	An Islanding Detection Method for Inverter-Based Distributed Generators Based on the Reactive Power Disturbance	2016	IEEE
7	AT16-07	Quasi-Z-Source Inverter With a T-Type Converter in Normal and Failure Mode	2016	IEEE
8	AT16-08	Real-Time Implementation of Model Predictive Control on 7-Level Packed U-Cell Inverter	2016	IEEE
9	AT16-09	High frequency inverter topologies integrated with the coupled inductor bridge arm	2016	IET
10	AT16-10	Dynamic voltage restorer employing multilevel cascaded H-bridge inverter	2016	IET
11	AT16-11	Active power compensation method for single-phase current source rectifier without extra active switches	2016	IET
12	AT16-12	Cascaded multilevel inverter using series connection of novel capacitor-based units with minimum switch count	2016	IET
13	AT16-13	Design and Implementation of a Novel Multilevel DC-AC Inverter	2016	IEEE
14	AT16-14	A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion with Less Number of Components	2016	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
15	AT16-15	Circulating current derivation and comprehensive compensation of cascaded STATCOM under asymmetrical voltage conditions	2016	IET
16	AT16-16	Design and implementation of a novel three-phase cascaded half-bridge inverter	2016	IET
17	AT16-17	Grid connected three-phase multiple-pole multilevel unity power factor rectifier with reduce components count	2016	IET
18	AT16-18	Control of Ripple Eliminators to Improve the Power Quality of DC Systems and Reduce the Usage of Electrolytic Capacitors	2016	IEEE
19	AT16-19	Design of External Inductor for Improving Performance of Voltage Controlled DSTATCOM	2016	IEEE
20	AT16-20	An Enhanced Single Phase Step-Up Five-Level Inverter	2016	IEEE
21	AT16-21	A Hybrid-STATCOM with Wide Compensation Range and Low DC-Link Voltage	2016	IEEE
22	AT16-22	A Capacitor Voltage-Balancing Method for Nested Neutral Point Clamped (NNPC) Inverter	2016	IEEE
23	AT16-23	T-type direct AC/AC converter structure	2016	IET
24	AT16-24	Modular Multilevel Converter Circulating Current Reduction Using Model Predictive Control	2016	IEEE
25	AT16-25	Parallel inductor multilevel current source inverter with energy-recovery scheme for inductor currents balancing	2016	IET
26	AT16-26	Open-Circuit Fault-Tolerant Control for Outer Switches of Three-Level Rectifiers in Wind Turbine Systems	2016	IEEE
27	AT16-27	Enhancing DFIG wind turbine during three phase fault using parallel interleaved converters and dynamic resistor	2016	IET
28	AT16-28	Load Model for Medium Voltage Cascaded H-Bridge Multi-Level Inverter Drive Systems	2016	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
29	AT16-29	Development and Comparison of an Improved Incremental Conductance Algorithm for Tracking the MPP of a Solar PV Panel	2016	IEEE
30	AT16-30	Impact of Switching Harmonics on Capacitor Cells Balancing in Phase-Shifted PWM Based Cascaded H-Bridge STATCOM	2016	IEEE
31	AT16-31	Effect of circulating current on input line current of 12-pulse rectifier with active inter-phase reactor	2016	IET
32	AT16-32	Modular Multilevel Converter-Based Bipolar High-Voltage Pulse Generator With Sensorless Capacitor Voltage Balancing Technique	2016	IEEE
33	AT16-33	Power-Electronics-Based Energy Management System With Storage	2016	IEEE
34	AT16-34	Modulation and Control of Transformerless UPFC	2016	IEEE
35	AT16-35	A Hybrid Simulation Model for VSC HVDC	2016	IEEE
36	AT16-36	Switching Control of Buck Converter Based on Energy Conservation Principle	2016	IEEE
37	AT16-37	A Three-Phase Multilevel Hybrid Switched-Capacitor PWM PFC Rectifier for High-Voltage-Gain Applications	2016	IET
38	AT16-38	A dc-Side Sensorless Cascaded H-Bridge Multilevel Converter Based Photovoltaic System	2016	IEEE
39	AT16-39	Phase angle calculation dynamics of type-4 wind turbines in rms simulations during severe voltage dips	2016	IET
40	AT16-40	A Multi-Level Converter with a Floating Bridge for Open-Ended Winding Motor Drive Applications	2016	IEEE
41	AT16-41	Model Predictive Control of Quasi-Z-Source Four-Leg Inverter	2016	IEEE
42	AT16-42	Using Multiple Reference Frame Theory for Considering Harmonics in Average-Value Modeling of Diode Rectifiers	2016	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
43	AT16-43	Cascaded Dual Model Predictive Control of an Active Front-End Rectifier	2016	IEEE
44	AT16-44	Simple Time Averaging Current Quality Evaluation of a Single-Phase Multilevel PWM Inverter	2016	IEEE
45	AT16-45	Nonlinear Control of Single-Phase PWM Rectifiers With Inherent Current-Limiting Capability	2016	IET
46	AT16-46	Impact of SFCL on the Four Types of HVDC Circuit Breakers by Simulation	2016	IEEE
47	AT16-47	An Adaptive SPWM Technique for Cascaded Multilevel Converters with Time-Variant DC Sources	2016	IEEE
48	AT16-48	Model-Based Control for a Three-Phase Shunt Active Power Filter	2016	IEEE
49	AT16-49	Design of a multi-level inverter with reactive power control ability for connecting PV cells to the grid	2016	IEEE
50	AT16-50	DSTATCOM supported induction generator for improving power quality	2016	IET
51	AT16-51	Improved equal current approach for reference current generation in shunt applications under unbalanced and distorted source and load conditions	2016	IET
52	AT16-52	A Hybrid-STATCOM With Wide Compensation Range and Low DC-Link Voltage	2016	IEEE
53	AT16-53	Design of External Inductor for Improving Performance of Voltage-Controlled DSTATCOM	2016	IEEE
54	AT16-54	Full-Bridge Reactive Power Compensator With Minimized-Equipped Capacitor and Its Application to Static Var Compensator	2016	IEEE
55	AT16-55	A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion With Less Number of Components	2016	IEEE
56	AT16-56	Efficient Implicit Model Predictive Control of Three Phase Inverter with an Output LC Filter	2016	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
57	AT16-57	Single-stage Three-phase Differential-mode Buck-Boost Inverters with Continuous Input Current for PV Applications	2016	IEEE
58	AT16-58	Soft-start control strategy for the three phase grid-connected inverter with LCL filter	2016	IEEE
59	AT16-59	High-Gain Single-Stage Boosting Inverter For Photovoltaic Applications	2016	IET
60	AT16-60	Multilevel Inverter Topologies With Reduced Device Count: A Review	2016	IEEE
61	AT16-61	Real time implementation of unity power factor correction converter based on fuzzy logic	2016	IEEE
62	AT16-62	Power Factor Correction in BLDC motor Drives Using DC-DC Converters	2016	IEEE
63	AT16-63	Transformerless Single-Phase Universal Active Filter With UPS Features and Reduced Number of Electronic Power Switches	2016	IEEE

ASOKA TEC

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
1	AT15-01	A High Gain Input-Parallel Output-Series DC/DC Converter with Dual Coupled Inductors	2015	IEEE
2	AT15-02	A High Step-Up Converter with Voltage-Multiplier Modules for Sustainable Energy Applications	2015	IEEE
3	AT15-03	A High Step-Up DC to DC Converter Under Alternating Phase Shift Control for Fuel Cell Power System	2015	IEEE
4	AT15-04	High-Efficiency MOSFET Transformerless Inverter for Non-isolated Microinverter Applications	2015	IEEE
5	AT15-05	A Multi-Input Bridgeless Resonant AC-DC Converter for Electromagnetic Energy Harvesting	2015	IEEE
6	AT15-06	A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM with Star Configuration	2015	IEEE
7	AT15-07	A Novel High Step-up DC/DC Converter Based on Integrating Coupled Inductor and Switched-Capacitor Techniques for Renewable Energy Applications	2015	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
1	AT14-01	A Modified Three-Phase Four-Wire UPQC Topology With Reduced DC-Link Voltage Rating	2013-14	IEEE
2	AT14-02	FPGA-Based Predictive Sliding Mode Controller of a Three-Phase Inverter	2013-14	IEEE
3	AT14-03	Pulsewidth Modulation of Z-Source Inverters With Minimum Inductor Current Ripple	2014-15	IEEE
4	AT14-04	Improving the Dynamics of Virtual-Flux-Based Control of Three-Phase Active Rectifiers	2014-15	IEEE
5	AT14-05	Sensorless Induction Motor Drive Using Indirect Vector Controller and Sliding-Mode Observer for Electric Vehicles	2013-14	IEEE
6	AT14-06	Back-Propagation Control Algorithm for Power Quality Improvement Using DSTATCOM	2014-15	IEEE
7	AT14-07	A Zero-Voltage Switching Three-Phase Inverter	2014-15	IEEE
8	AT14-08	Control of Reduced-Rating Dynamic Voltage Restorer With a Battery Energy Storage System	2014-15	IEEE
9	AT14-09	A Combination of Shunt Hybrid Power Filter and Thyristor-Controlled Reactor for Power Quality	2014-15	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
10	AT14-10	A Transformerless Grid-Connected Photovoltaic System Based on the Coupled Inductor Single-Stage Boost Three-Phase Inverter	2014-15	IEEE
11	AT14-11	LCL Filter Design and Performance Analysis for Grid-Interconnected Systems	2014-15	IEEE
12	AT14-12	An Inductively Active Filtering Method for Power-Quality Improvement of Distribution Networks With Nonlinear Loads	2013-14	IEEE
13	AT14-13	A Bidirectional-Switch-Based Wide-Input Range High-Efficiency Isolated Resonant Converter for Photovoltaic Applications	2014-15	IEEE
14	AT14-14	Analysis and Implementation of an Improved Flyback Inverter for Photovoltaic AC Module Applications	2014-15	IEEE
15	AT14-15	Speed Sensorless Vector Controlled Induction Motor Drive Using Single Current Sensor	2013-14	IEEE
16	AT14-16	A Novel Design and Optimization Method of an LCL Filter for a Shunt Active Power Filter	2014-15	IEEE
17	AT14-17	An Active Harmonic Filter Based on One-Cycle Control	2014-15	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

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

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
26	AT14-26	Design and Implementation of Sliding Mode and PI Controllers based Control for Three Phase Shunt Active Power Filter	2014-15	IEEE
27	AT14-27	Implementation of Adaptive Filter in Distribution Static Compensator	2014-15	IEEE
28	AT14-28	A Comparison of Soft-Switched DC-to-DC Converters for Electrolyzer Application	2014-15	IEEE
29	AT14-29	Adaptive fuzzy controller based MPPT for photovoltaic systems	2014-15	IEEE
30	AT14-30	Design of Fuzzy Logic Based Maximum Power Point Tracking Controller for Solar Array for Cloudy Weather Conditions.	2014-15	IEEE
31	AT14-31	Dynamic Behavior of DFIG Wind Turbine Under Grid Fault Conditions	2014-15	IEEE
32	AT14-32	Fuzzy-Logic-Controller-Based SEPIC Converter for Maximum Power Point Tracking	2014-15	IEEE
33	AT14-33	Performance Improvement of Direct Power Control of PWM Rectifier With Simple Calculation	2014-15	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
34	AT14-34	FLC-Based DTC Scheme to Improve the Dynamic Performance of an IM Drive	2014-15	IEEE
35	AT14-35	Single Phase Grid-Connected Photovoltaic Inverter for Residential Application with Maximum Power Point Tracking	2014-15	IEEE
36	AT14-36	Improved Active Power Filter Performance for Renewable Power Generation Systems	2014-15	IEEE
37	AT14-37	Micro Wind Power Generator with Battery Energy Storage for Critical Load	2014-15	IEEE

ASOKA TECH

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
1	AT01	An Integrated Boost Resonant Converter for Photovoltaic Applications	2013-14	IEEE
2	AT02	Bridgeless SEPIC Converter With a Ripple-Free Input Current	2013-14	IEEE
3	AT03	An Advanced Power Electronics Interface for Electric Vehicles Applications	2013-14	IEEE
4	AT04	A High-Efficiency Solar Array Simulator Implemented by an <i>LLC</i> Resonant DC–DC Converter	2013-14	IEEE
5	AT05	A Novel Reduced Switching Loss Bidirectional AC/DC Converter PWM Strategy with Feed-Forward Control for Grid-Tied Micro Grid Systems	2013-14	IEEE
6	AT06	Coordinated Control and Energy Management of Distributed Generation Inverters in a Microgrid	2013-14	IEEE
7	AT07	A New ZVS DC/DC Converter With Three APWM Circuits	2013-14	IEEE
8	AT08	Analysis and Implementation of a Single Stage Flyback PV-Micro Inverter with Soft Switching	2013-14	IEEE
9	AT09	A Bridgeless Boost Rectifier for Low-Voltage Energy Harvesting Applications	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
10	AT10	A 1.65 W Fully Integrated 90 nm Bulk CMOS Capacitive DC–DC Converter With Intrinsic Charge Recycling	2013-14	IEEE
11	AT11	A Comparison of Soft-Switched DC-to-DC Converters for Electrolyzer Application	2013-14	IEEE
12	AT12	Control Strategy for Power Flow Management in a PV System Supplying DC Loads	2013-14	IEEE
13	AT13	A High Step-Up Three-Port DC–DC Converter for Stand-Alone PV/Battery Power Systems	2013-14	IEEE
14	AT14	Decoupling Capacitor Selection in DCM Flyback PV Micro-inverters Considering Harmonic Distortion	2013-14	IEEE
15	AT15	Design and Performance of a Bidirectional Isolated DC–DC Converter for a Battery Energy Storage System	2013-14	IEEE
16	AT16	Double-port Interface for Small Scale Renewable Sources Integration	2013-14	IEEE
17	AT17	High Reliability and Efficiency Single-Phase Transformerless Inverter for Grid-Connected Photovoltaic Systems	2013-14	IEEE
18	AT18	Multilevel SVPWM With DC-Link Capacitor Voltage Balancing Control for Diode-Clamped Multilevel Converter Based STATCOM	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
19	AT19	High Voltage-Boosting Converters Based on Bootstrap Capacitors and Boost Inductors	2013-14	IEEE
20	AT20	High-Efficiency Single-Input Multiple-Output DC–DC Converter	2013-14	IEEE
21	AT21	Nonlinear Current Control for Power Electronic Converters: IC Design Aspects and Implementation	2013-14	IEEE
22	AT22	Improved Trans-Z-Source Inverter With Continuous Input Current and Boost Inversion Capability	2013-14	IEEE
23	AT23	Integrated Full-Bridge-Forward DC–DC Converter for a Residential Microgrid Application	2013-14	IEEE
24	AT24	Modular Multilevel Inverter with New Modulation Method and Its Application to Photovoltaic Grid-Connected Generator	2013-14	IEEE
25	AT25	Microfabricated V-Groove Power Inductors Using Multilayer Co–Zr–O Thin Films for Very-High-Frequency DC–DC Converters	2013-14	IEEE
26	AT26	Reconfigurable Solar Converter: A Single-Stage Power Conversion PV-Battery System	2013-14	IEEE
27	AT27	Integration and Operation of a Single-Phase Bidirectional Inverter With Two Buck/Boost MPPTs for DC-Distribution Applications	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
28	AT28	Module-Level DC/DC Conversion for Photovoltaic Systems: The Delta-Conversion Concept	2013-14	IEEE
29	AT29	High Boost Ratio Hybrid Transformer DC–DC Converter for Photovoltaic Module Applications	2013-14	IEEE
30	AT30	Performance Investigation of Isolated Wind–Diesel Hybrid Power Systems With WECS Having PMIG	2013-14	IEEE
31	AT31	High-Efficiency Digital-Controlled Interleaved Power Converter for High-Power PEM Fuel-Cell Applications	2013-14	IEEE
32	AT32	Pulsewidth-Modulated Dual - Half- Controlled Converter	2013-14	IEEE
33	AT33	PWM Plus Phase Angle Shift (PPAS) Control Scheme for Combined Multiport DC/DC Converters	2013-14	
34	AT34	Mitigation of Lower Order Harmonics in a Grid-Connected Single-Phase PV Inverter	2013-14	IEEE
35	AT35	Soft-Switching DC/DC Converter With a Full ZVS Range and Reduced Output Filter for High-Voltage Applications	2013-14	IEEE
36	AT36	Space-Vector PWM Control Synthesis for an H-Bridge Drive in Electric Vehicles	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
37	AT37	StatCom Control at Wind Farms With Fixed-Speed Induction Generators Under Asymmetrical Grid Faults	2013-14	IEEE
38	AT38	A High-Efficiency Wide-Input-Voltage Range Switched Capacitor Point-of-Load DC–DC Converter	2013-14	IEEE
39	AT39	Simulation Analysis of SVPWM Inverter Fed Induction Motor Drives	2013-14	IJETEE
40	AT40	Research on Three-phase Voltage Type PWM Rectifier System Based on SVPWM Control	2013-14	MAXWELL
41	AT41	A ZVS Grid-Connected Three-Phase Inverter	2012-13	IEEE
42	AT42	Dynamic Modeling of Microgrid for Grid Connected and Intentional Islanding Operation	2012-13	IEEE
43	AT43	High-Step-Up and High-Efficiency Fuel-Cell Power-Generation System With Active-Clamp Flyback–Forward Converter	2012-13	IEEE
44	AT44	Direct Power Control of Series Converter of Unified Power-Flow Controller With Three-Level Neutral Point Clamped Converter	2012-13	IEEE
45	AT45	Analysis Of Discrete & Space Vector Pwm Controlled Hybrid Active Filters For Power Quality Enhancement	2012-13	IJAET

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
46	AT46	Matlab -based Simulation & Analysis of Three-level SPWM Inverter	2012-13	IJSCE
47	AT47	Design and Simulation of three phase Inverter for grid connected Photovoltaic systems	2012-13	NCNTE
48	AT48	Comparison of Controllers for Power Quality Improvement Employing Shunt Active Filter	2012-13	ICCEET
49	AT49	Comparison of Control Algorithms for Shunt Active Filter for Harmonic Mitigation	2012-13	IJERT
50	AT50	Comparison of Controllers for Power Quality Improvement Employing Shunt Active Filter	2012-13	ICCEET
51	AT51	Compensation Of Sags And Swells Voltage Using Dynamic Voltage Restorer (Dvr) During Single Line To Ground And Three-Phase Faults	2012-13	IJTPE
52	AT52	Simulation and Analysis of Zero Voltage Switching PWM Full Bridge Converter	2012-13	IJERT
53	AT53	Direct Torque Control Based on Space Vector Modulation with Adaptive Stator Flux Observer for Induction Motors	2012-13	IJERA
54	AT54	Diode Clamped Three Level Inverter Using Sinusoidal PWM	2012-13	ICCSNT

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
55	AT55	Direct Active and Reactive Power Regulation of Grid-Connected DC/AC Converters Using Sliding Mode Control Approach	2011-12	IEEE
56	AT56	Control for Grid-Connected and Intentional Islanding Operations of Distributed Power Generation	2011-12	IEEE
57	AT57	Power System Stability Enhancement Using Static Synchronous Series Compensator (SSSC)	2011-12	IEEE
58	AT58	Power Quality and Power Interruption Enhancement by Universal Power Quality Conditioning System with Storage Device	2011-12	AJBAS
59	AT59	Z-Source Inverter With A New Space Vector Pwm Algorithm For High Voltage Gain	2011-12	ARPN
60	AT60	Wind Farm to Weak-Grid Connection using UPQC Custom Power Device	2010-11	IEEE
61	AT61	Enhancement of Power Quality in Distribution System Using D-STATCOM	2010-11	IEEE
62	AT62	A STATCOM-Control Scheme for Grid Connected Wind Energy System for Power Quality Improvement	2010-11	IEEE
63	AT63	Single-Phase to Three-Phase Drive System Using Two Parallel Single-Phase Rectifiers	2010-11	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
64	AT64	Simulation a Shunt Active Power Filter using MATLAB/Simulink	2010-11	IEEE
65	AT65	Single-Phase to Three-Phase Drive System Using Two Parallel Single-Phase Rectifiers	2010-11	IEEE
66	AT66	A Single-Phase Z-Source Buck–Boost Matrix Converter	2010-11	IEEE
67	AT67	Space Vectors Modulation for Nine-Switch Converters	2010-11	IEEE
68	AT68	Design of a Hybrid PID Plus Fuzzy Controller for Speed Control of Induction Motors	2010-11	IEEE
69	AT69	Novel Direct Torque Control Based on Space Vector Modulation With Adaptive Stator Flux Observer for Induction Motors	2010-11	IEEE
70	AT70	High-Efficiency Voltage Regulator for Rural Networks	2010-11	IEEE
71	AT71	A Non-Insulated Step-Up/Down DC-DC Converter with Wide Range Conversion	2010-11	ACTA
72	AT72	STATCOM for Improved Dynamic Performance of Wind Farms in Power Grid	2010-11	MEPCON
73	AT73	Control Strategy for Three Phase Voltage Source PWM Rectifier based on the SVM	2010-11	EFEEA

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
74	AT74	Simulation And Comparison Of Spwm And Svpwm Control For Three Phase Inverter	2010-11	ARPN
75	AT75	Natural Harmonic Elimination of Square-Wave Inverter for Medium-Voltage Application	2009-10	IEEE
76	AT76	Multiconverter Unified Power-Quality Conditioning System: MC-UPQC	2009-10	IEEE
77	AT77	Improved Z-Source Inverter With Reduced Z-Source Capacitor Voltage Stress and Soft-Start Capability	2009-10	IEEE
78	AT78	Multilevel Multiphase Space Vector PWM Algorithm With Switching State Redundancy	2009-10	IEEE
79	AT79	Single-Stage Flyback Power-Factor-Correction Front-End for HB LED Application	2009-10	IEEE
80	AT80	Modeling and Simulating for Transient Stability Analysis of Power System using Dynamic Phasor	2009-10	ICISE
81	AT81	Study on Speed Sensorless SVM-DTC System of PMSM	2009-10	ICEMI
82	AT82	Soft Computing Techniques for the Control of an Active Power Filter	2009-10	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
83	AT83	A Versatile Control Scheme for a Dynamic Voltage Restorer for Power-Quality Improvement	2009-10	IEEE
84	AT84	Bidirectional Switch Commutation for a Matrix Converter Supplying a Series Resonant Load	2009-10	IEEE
85	AT85	Improving the Dynamic Performance of Wind Farms With STATCOM	2009-10	IEEE
86	AT86	A Modular Fuel Cell, Modular DC–DC Converter Concept for High Performance and Enhanced Reliability	2009-10	IEEE
87	AT87	A Three-Level Full-Bridge Zero-Voltage Zero-Current Switching Converter With a Simplified Switching Scheme	2009-10	IEEE
88	AT88	A Non-Insulated Step-Up/Down DC-DC Converter with Wide Range Conversion	2009-10	IEEE
89	AT89	A Novel Three-Phase Three-Leg AC/AC Converter Using Nine IGBTs	2009-10	IEEE
90	AT90	Fuzzy Load Controller for Wind Energy Conversion System	2009-10	NCSCT
91	AT91	Study on Speed Sensorless SVM-DTC System of PMSM	2009-10	ICEMI

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
92	AT92	Direct Torque Control of Induction Motors with Fuzzy Minimization Torque Ripple	2009-10	WCECS
93	AT93	PMSM Speed Sensorless Direct Torque Control Based on EKF	2009-10	ICIEA
94	AT94	A Novel Zero-Voltage-Switching PWM Full Bridge Converter	2008-09	IEEE
95	AT95	System Simulation of 3-phase PWM Rectifier Based on Novel Voltage Space Vector	2008-09	IEEE
96	AT96	Simulation of Three Phase Voltage based PWM Rectifier Based on the Space Vector Modulation	2008-09	IEEE
97	AT97	Fundamental Frequency Modulated Multilevel Inverter for Three-Phase Stand-Alone Photovoltaic Application	2008-09	IEEE
98	AT98	Synthesis of Multilevel Converters Based on Singleand / or Three-Phase Converter Building Blocks	2008-09	IEEE
99	AT99	Synthesis of Multilevel Converters Based on Singleand/ or Three-Phase Converter Building Blocks	2008-09	IEEE
100	AT100	Quasi Current Mode Control for the Phase-Shifted BSeries Resonant Converter	2008-09	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
101	AT101	Control for Grid-Connected and Intentional Islanding Operations of Distributed Power Generation	2008-09	IETE
102	AT102	Simulink Model of Direct Torque Control of Induction Machine	2008-09	IEEE
103	AT103	Elimination of Harmonics in a Five-Level Diode-Clamped Multilevel Inverter Using Fundamental Modulation	2007-08	IEEE
104	AT104	Current-Fed Dual-Bridge DC–DC Converter	2007-08	IEEE
105	AT105	A Novel Nine-Switch Inverter for Independent Control of Two Three-phase Loads	2007-08	IEEE
106	AT106	Enhancement of Voltage Quality in Isolated Power Systems	2007-08	IEEE
107	AT107	An Improved Power-Quality 30-Pulse AC–DC for Varying Loads	2007-08	IEEE
108	AT108	Current-Fed Dual-Bridge DC–DC Converter	2007-08	IEEE
109	AT109	Analysis and Design Considerations of Zero-Voltage and Zero-Current-Switching (ZVZCS) Full-Bridge PWM Converters		
110	AT110	Wind Farm to Weak-Grid Connection using UPQC Custom Power Device		

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
111	AT111	A Novel Control Method for Shunt Active Power Filters Using SVPWM	2004-05	IAS
112	AT112	Modeling And Simulation For Voltage Sags/Swells Mitigation Using Dynamic Voltage Restorer (Dvr)	2005-09	JATIT
113	AT113	Matrix Converters: A Technology Review	2002-03	IEEE
114	AT114	Simulation Analysis of SVPWM Inverter Fed Induction Motor Drives	2013-14	IJETEE
115	AT115	A Three-Phase Three-Leg AC/AC Converter Using Nine Igbts		
116	AT116	Simulation And Experimental Based Four Switch Three Phase Inverter Fed Induction Motor Drive	2013-14	WJMS
117	AT117	Performance Of A 4- Switch, 3-Phase Inverter Fed Induction Motor (IM) Drive System	2013-14	IJAREEIE
118	AT118	Simulink/Modelsim Co-Simulation And Fpga Realization Of Spwm Controller For Three Phase Multilevel Inverter	2013-14	IJESS
119	AT119	A Sinusoidal Pwm Scheme For Neutral Point Clamped Five Level Inverter	2013-14	IEEJ
120	AT120	Performance Improvement of Active Power Filter under Distorted and Unbalanced Grid Voltage Conditions	2013-14	EIE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
121	AT121	Analysis of Cascaded Five Level Multilevel Inverter Using Hybrid Pulse Width Modulation	2013-14	IJETAE
122	AT122	Comparative Study on New COPWM Techniques for Three Phase Cascaded Z-Source Inverter	2013-14	IJERT
123	AT123	Total Harmonic Distortion Analysis and Comparison of Diode Clamped Multilevel Z-Source Inverter	2013-14	IJMER
124	AT124	Simulation of Inverter Fed Five Phase Induction Motor	2013-14	IJSR
125	AT125	Simulation of Fuzzy Logic Based Shunt Hybrid Active Filter for Power Quality Improvement	2013-14	IJISA
126	AT126	Fuzzy Based Hysteresis Current Controlled Shunt Active Power Filter for Power Conditioning	2013-14	IJMER
127	AT127	Power Quality Enhancement Using Hybrid Active Filter	2013-14	IJESIT
128	AT128	Three Phase to Three Phase Direct Matrix Converter using SPWM Technique	2013-14	IJSCE
129	AT129	Comparative Study of Multicarrier PWM Techniques for Seven Level Cascaded Z-Source Inverter	2013-14	IJCA
130	AT130	Performance Investigation of Multi-phase VSI with Simple PWM Switching Techniques	2013-14	IJE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
131	AT131	A Novel Three-Phase Three-Leg AC/AC Converter Using Nine IGBTs	2013-14	IJMER
132	AT132	Overview of Single Phase Matrix Converter Application	2013-14	
133	AT133	Performance Evaluation of Multicarrier SPWM Strategies for Three Phase Z - source Seven Level Diode Clamped Inverter	2013-14	IJETT
134	AT134	High-Gain Switched-Inductor Switched-Capacitor Step-Up DC-DC Converter	2013-14	IMECS
135	AT135	Sinusoidal and Space Vector Pulse Width Modulation for Inverter	2013-14	IJETT
136	AT136	Simulation Of A Space Vector Pwm Controller For A Three-Level Voltage-Fed Inverter Motor Drive	2013-14	IJATCSE
137	AT137	Three Level Inverter To Improve Performance Of Induction Motor Drives Using MATLAB	2013-14	IJAEST
138	AT138	Three Phase To Three Phase Direct Matrix Converter Using SPWM Technique	2013-14	IJSCE
139	AT139	Performance Analysis of Three Phase PWM Voltage Source Inverter Fed Three Phase Induction Motor Drive	2013-14	
140	AT140	Simulation & Performance Analysis of Two Level AC-DC-AC Converter with IM	2013-14	IJSCE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
141	AT141	Switched Inductor Z-Source Matrix Converter Operation and Analysis	2013-14	WASJ
142	AT142	Performance Evaluation of Multicarrier SPWM Strategies for Three Phase Z - source Seven Level Diode Clamped Inverter	2013-14	IJETT
143	AT143	Comparison of MLI and Z-Source Inverter for Transformerless Operation of Single-Phase Photovoltaic Systems	2010-11	TIJST
144	AT144	Novel Direct Torque Control Based on Space Vector Modulation With Adaptive Stator Flux Observer for Induction Motors	2010-11	IEEE
145	AT145	Performance Analysis of Multilevel Inverters Using Variable Switching Frequency Carrier Based PWM Techniques	2012-13	ICREPQ
146	AT146	Direct Torque Control Based on Space Vector Modulation with Adaptive Stator Flux Observer for Induction Motors	2012-13	IJERA
147	AT147	The Grid-connected Inverter of Simulation on Direct-drive Wind Power System Based on MATLAB	2012-13	ICCIA
148	AT148	Z-Source Multilevel Inverter for Uninterruptible Power Supply Application	2012-13	BIJPSIC
149	AT149	Simulation of Three-Phase Inverter Using Minimum Number of Controlled Switches	2013-14	EIJ

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
150	AT150	Improvement of power quality by using active filter based on vectorial power theory control strategy on the MATLAB-Simulink platform		IOSR
151	AT151	Reduction of THD in Diode Clamped Multilevel Inverter employing spwm technique	2013-14	IJSR
152	AT152	Applications of DSTATCOM Using MATLAB /Simulation in Power System		IJEIR
153	AT153	Design and Simulation of DSTATCOM for Power Quality Enhancement in Distribution Networks under Various Fault Condition	2013-14	IJETAE
154	AT154	Dynamic Voltage Restorer for Power Quality Improvement	2013-14	IJECS
155	AT155	Modeling And Simulation Of Dynamic Voltage Restorer (Dvr) For Voltage Sags/Swells Mitigation	2013-14	IJARSE
156	AT156	Modelling and Simulation of Dynamic Voltage Restorer for Power Quality Improvement	2013-14	IJSER
157	AT157	Fuzzy Based Hysteresis Current Controlled Shunt Active Power Filter for Power Conditioning	2013-14	IJMER
158	AT158	Space Vector Modulation Controlled Hybrid Active Power Filter for Power Conditioning	2013-14	IJETEE
159	AT159	Simulation of Multipulse Converter for Harmonic Reduction using Controlled Rectifier	2013-14	IJSR

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
160	AT160	Simulation of Multipulse Converter for Harmonic Reduction using Controlled Rectifier	2013-14	IJSR
161	AT161	A Novel Control of Two AC Loads using Nine Switch Inverter	2012-13	ICCCE
162	AT162	Comparative Study between Different Control Strategies for Shunt Active Power Filter	2013-14	PESA
163	AT163	Series Connected Forward Flyback Converter For High Step Up Power Conversion	2012-13	IJEAT
164	AT164	Analysis Of Discrete & Space Vector Pwm Controlled Hybrid Active Filters For Power Quality Enhancement	2012-13	IJAET
165	AT165	Mitigation Of Harmonics By Hysteresis Control Technique Of VSI Based Statcom	2013-14	IJLTET
166	AT166	Application Of STATCOM To Increase Transient Stability Of Wind Farm	2013-14	AJEPES
167	AT167	A Single-Phase Grid-Connected Fuel Cell System Based on a Boost-Inverter	2013-14	IEEE
168	AT168	Adaptive Step Size With Adaptive-Perturbation-Frequency Digital MPPT Controller for a Single-Sensor Photovoltaic Solar System	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
169	AT169	An Energy-Efficient Motor Drive With Autonomous Power Regenerative Control System Based on Cascaded Multilevel Inverters and Segmented Energy Storage	2013-14	IEEE
170	AT170	An Improved Three-Phase Variable-Band Hysteresis Current Regulator	2013-14	IEEE
171	AT171	Design and Implementation of Energy Management System With Fuzzy Control for DC Microgrid Systems	2013-14	IEEE
172	AT172	Design, Analysis, and Implementation of Solar Power Optimizer for DC Distribution System	2013-14	IEEE
173	AT173	Modeling and Simulation of All-Electric Ships With Low-Voltage DC Hybrid Power Systems	2013-14	IEEE
174	AT174	Reactive Power Control of Permanent-Magnet Synchronous Wind Generator With Matrix Converter	2013-14	IEEE
175	AT175	Improved Transformerless Inverter With Common-Mode Leakage Current Elimination for a Photovoltaic Grid-Connected Power System	2012-13	IEEE
176	AT176	A Carrier-Based PWM Strategy With the Offset Voltage Injection for Single-Phase Three-Level Neutral-Point-Clamped Converters	2013-14	IEEE
177	AT177	A ZVS-PWM Three-Phase Current-Fed Push-Pull DC-DC Converter	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
178	AT178	Adaptive MPPT Applied to Variable-Speed Microhydropower Plant	2013-14	IEEE
179	AT179	Analysis, Modeling, and Implementation of a Multidevice Interleaved DC/DC Converter for Fuel Cell Hybrid Electric Vehicles	2013-14	IEEE
180	AT180	Control Strategy for Power Flow Management in a PV System Supplying DC Loads	2013-14	IEEE
181	AT181	Coordinated Control of Cascaded Current-Source Converter Based Offshore Wind Farm	2013-14	IEEE
182	AT182	DC-Bus Design and Control for a Single-Phase Grid-Connected Renewable Converter With a Small Energy Storage Component	2013-14	IEEE
183	AT183	Digital-Controlled Single-Phase Transformer-Based Inverter for Non-Linear Load Applications	2013-14	IEEE
184	AT184	Dual Transformerless Single-Stage Current Source Inverter With Energy Management Control Strategy	2013-14	IEEE
185	AT185	FPGA-Based Predictive Sliding Mode Controller of a Three-Phase Inverter	2013-14	IEEE
186	AT186	Half-Wave Cycloconverter-Based Photovoltaic Microinverter Topology With Phase-Shift Power Modulation	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
187	AT187	High-Performance Control of a DC–DC Z-Source Converter Used for an Excitation Field Driver	2012-13	IEEE
188	AT188	Improved Transformerless Inverter With Common-Mode Leakage Current Elimination for a Photovoltaic Grid-Connected Power System	2012-13	IEEE
189	AT189	Reactive Power Control of Permanent-Magnet Synchronous Wind Generator With Matrix Converter	2013-14	IEEE
190	AT190	Sensorless Control of CSC-Fed IPM Machine for Zero- and Low-Speed Operations Using Pulsating HFI Method	2013-14	IEEE
191	AT191	A Bridgeless Boost Rectifier for Low-Voltage Energy Harvesting Applications	2013-14	IEEE
192	AT192	A Current Controller Design for Current Source Inverter-Fed AC Machine Drive System	2013-14	IEEE
193	AT193	A Family of Three-Switch Three-State Single-Phase Z-Source Inverters	2013-14	IEEE
194	AT194	A High Step-Down Transformerless Single-Stage Single-Switch AC/DC Converter	2013-14	IEEE
195	AT195	A High-Performance SPWM Controller for Three-Phase UPS Systems Operating Under Highly Nonlinear Loads	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
196	AT196	A New DC Anti-Islanding Technique of Electrolytic Capacitor-Less Photovoltaic Interface in DC Distribution Systems	2013-14	IEEE
197	AT197	A Single-Phase Grid-Connected Fuel Cell System Based on a Boost-Inverter	2013-14	IEEE
198	AT198	A Three-Level Converter With Reduced Filter Size Using Two Transformers and Flying Capacitors	2013-14	IEEE
199	AT199	Adaptive Dead-Time Compensation for Grid-Connected PWM Inverters of Single-Stage PV Systems	2013-14	IEEE
200	AT200	Performance Analysis of Three-Phase Three-Leg AC/AC Converter using SPWM and SVPWM	2013-14	IJESE
201	AT201	An Improved Buck PFC Converter With High Power Factor	2013-14	IEEE
202	AT202	An Improved Soft-Switching Buck Converter With Coupled Inductor	2013-14	IEEE
203	AT203	Analysis and Comparison of Medium Voltage High Power DC/DC Converters for Offshore Wind Energy Systems	2013-14	IEEE
204	AT204	Analysis and Design of a Push–Pull Quasi-Resonant Boost Power Factor Corrector	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
205	AT205	Asymmetric Control of DC-Link Voltages for Separate MPPTs in Three-Level Inverters	2013-14	IEEE
206	AT206	Bridgeless SEPIC Converter With a Ripple-Free Input Current	2013-14	IEEE
207	AT207	Cascaded Multicell Trans-Z-Source Inverters	2013-14	IEEE
208	AT208	Control of Improved Full-Bridge Three-Level DC/DC Converter for Wind Turbines in a DC Grid	2013-14	IEEE
209	AT209	DC-Voltage Fluctuation Elimination Through a DC-Capacitor Current Control for DFIG Converters Under Unbalanced Grid Voltage Conditions	2013-14	IEEE
210	AT210	Design and Implementation of Energy Management System With Fuzzy Control for DC Microgrid Systems	2013-14	IEEE
211	AT211	Design of High-Performance Stand-Alone and Grid-Connected Inverter for Distributed Generation Applications	2013-14	IEEE
212	AT212	Design, Analysis, and Implementation of Solar Power Optimizer for DC Distribution System	2013-14	IEEE
213	AT213	Enhanced Control of a DFIG-Based Wind-Power Generation System With Series Grid-Side Converter Under Unbalanced Grid Voltage Conditions	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
214	AT214	Grid Interfacing of Multimegawatt Photovoltaic Inverters	2013-14	IEEE
215	AT215	High Power Factor AC–DC LED Driver With Film Capacitors	2013-14	IEEE
216	AT216	High-Efficiency Isolated Bidirectional AC–DC Converter for a DC Distribution System	2013-14	IEEE
217	AT217	High-Efficiency Single-Input Multiple-Output DC–DC Converter	2013-14	IEEE
218	AT218	Improved Sensorless Operation of a CSI-Based Induction Motor Drive: Long Feeder Case	2013-14	IEEE
219	AT219	Integration and Operation of a Single-Phase Bidirectional Inverter With Two Buck/Boost MPPTs for DC-Distribution Applications	2013-14	IEEE
220	AT220	Modeling and Simulation of All-Electric Ships With Low-Voltage DC Hybrid Power Systems	2013-14	IEEE
221	AT221	Multilevel DC-Link Inverter and Control Algorithm to Overcome the PV Partial Shading	2013-14	IEEE
222	AT222	Nonlinear Behavior and Instability in a Three-Phase Boost Rectifier Connected to a Nonideal Power Grid With an Interacting Load	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
223	AT223	Perturbation On-Time (POT) Technique in Power Factor Correction (PFC) Controller for Low Total Harmonic Distortion and High Power Factor	2013-14	IEEE
224	AT224	Problems Incurred in a Vector-Controlled Single-Phase Induction Motor, and a Proposal for a Vector-Controlled Two-Phase Induction Motor as a Replacement	2013-14	IEEE
225	AT225	Soft-Switching DC/DC Converter With a Full ZVS Range and Reduced Output Filter for High-Voltage Applications	2013-14	IEEE
226	AT226	Space-Vector-Modulated Three-Level Inverters With a Single Z-Source Network	2013-14	IEEE
227	AT227	Synchronous-Reference-Frame-Based Control of Switched Boost Inverter for Standalone DC Nano grid Applications	2013-14	IEEE
228	AT228	Advanced Symmetrical Voltage Quadrupler Rectifiers for High Step-Up and High Output-Voltage Converters	2013-14	IEEE
229	AT229	An Advanced Current Control Strategy for Three-Phase Shunt Active Power Filters	2013-14	IEEE
230	AT230	A Modular Fuel Cell, Modular DC–DC Converter Concept for High Performance and Enhanced Reliability	2009-10	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
231	AT231	Cascaded Current–Voltage Control to Improve the Power Quality for a Grid-Connected Inverter With a Local Load	2013-14	IEEE
232	AT232	Reconfigurable Solar Converter: A Single-Stage Power Conversion PV-Battery System	2013-14	IEEE
233	AT233	Wind Farm to Weak-Grid Connection using UPQC Custom Power Device	2013-14	IEEE
234	AT234	Power Quality Improvement and Mitigation Case Study Using Distributed Power Flow Controller	2012-13	IEEE
235	AT235	Fault Ride-Through of a DFIG Wind Turbine Using a Dynamic Voltage Restorer During Symmetrical and Asymmetrical Grid Faults	2011-12	IEEE
236	AT236	Direct Power Control of Series Converter of Unified Power-Flow Controller With Three-Level Neutral Point Clamped Converter	2012-13	IEEE
237	AT237	Multiconverter Unified Power-Quality Conditioning System: MC-UPQC	2009-10	IEEE
238	AT238	A Novel Online Fuzzy Control Method of Static VAR Compensation for an Effective Reactive Power Control of Transmission Lines	2010-12	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
239	AT239	Control of Parallel Multiple Converters for Direct-Drive Permanent-Magnet Wind Power Generation Systems	2012-13	IEEE
240	AT240	Dynamic Modeling and Simulation of Hybrid Power Systems Based on Renewable Energy	2009-10	IEEE
241	AT241	Single-Stage Power-Factor-Correction Circuit with Flyback Converter to Drive LEDs for Lighting Applications	2010-11	IEEE
242	AT242	A 24-Pulse AC-DC Converter Employing a pulse doubling technique for Vector-Controlled Induction Motor Drives	2008-09	IETE
243	AT243	A Variable-Speed, Sensorless, Induction Motor Drive Using DC Link Measurements	2009-10	IEEE
244	AT244	Modeling and Simulation of a Distribution STATCOM (D-STATCOM) for Power Quality Problems-Voltage Sag and Swell Based on Sinusoidal Pulse Width Modulation (SPWM)	2012-13	IEEE
245	AT245	Seven-Level Shunt Active Power Filter for High-Power Drive Systems	2009-10	IEEE
246	AT246	Integration and Operation of a Single-Phase Bidirectional Inverter With Two Buck/Boost MPPTs for DC-Distribution Applications	2013-14	IEEE

ELECTRICAL PROJECTS USING MATLAB/SIMULINK

asokatechnologies@gmail.com

S NO	CODE	PROJECT TITLE	YEAR	JOURNAL
247	AT247	A FACTS Device: Distributed Power-Flow Controller (DPFC)	2010-11	IEEE
248	AT248	High Performance of Space Vector Modulation Direct Torque Control SVM-DTC Based on Amplitude Voltage and Stator Flux Angle	20013-12	RJASET
249	AT249	Electric Springs—A New Smart Grid Technology	2012-13	IEEE
250	AT250	Performance of the Speed Sensorless Induction Motor Drive for Traction Application with MRAS type Speed and Flux Estimator	2012-13	IEEE
251	AT251	Power-Management Strategies for a Grid-Connected PV-FC Hybrid System	2010-11	IEEE
252	AT252	Voltage unbalance and harmonics compensation for islanded microgrid inverters	2013-14	IET

ASOKA