

LIST OF ABBREVIATIONS

BLDC	-	Brushless DC motor
CSI	-	Current source Inverter
DC	-	Direct current
DSPIC	-	Digital signal peripheral interface controller
EMF	-	Electromotive force
IFOC	-	Indirect field oriented control
Inc-con	-	Incremental conductance
LPF	-	Low pass filter
MB-PWM	-	Maximum Boost Pulse Width Modulation
MOSFET	-	Metal oxide semiconductor field effect transistor
MPPT	-	Maximum Power Point Tracking
MRAS	-	Model Reference Adaptive system
NFSBB	-	Non inverting four switch buck boost Converter
P & O	-	Perturb and observer method
PID	-	Proportional Integral Derivative controller
PV	-	Photo-Voltaic
SEPIC	-	Single-Ended Primary-Inductor Converter
SLQZSI	-	Switched inductor quasi Z-source Inverter
SMO	-	Sliding mode observer
SPWM	-	Sinusoidal Pulse Width Modulation
SVM	-	Space Vector Modulation
THD	-	Total Harmonic Distortion
VSI	-	Voltage source Inverter