

List of Abbreviation

Abbreviation	Full form
<i>AC</i>	Alternating Current
<i>ASLFR</i>	Adaptive Sliding mode based Loss Free Resistor
<i>BJT</i>	Bipolar Junction Transistor
<i>CCM</i>	Continuous Current Mode
<i>CEC</i>	California Energy Commission
<i>CMC</i>	Current Mode Control
<i>CoC</i>	Code of Conduct
<i>CPU</i>	Central Processing Unit
<i>CSCI</i>	Climate Saver Computing Initiative
<i>DC</i>	Direct Current
<i>DCM</i>	Discontinuous Current Mode
<i>DCR</i>	Direct Current Resistor
<i>DoE</i>	Department of Energy
<i>DPWM</i>	Digital Pulse Width Modulation
<i>EC</i>	European Commission
<i>EISA</i>	Energy Independence and Security Act
<i>EOF</i>	Efficiency Optimized switching Frequency
<i>EPA</i>	Environment Protection Agency
<i>ESR</i>	Equivalent series resistance
<i>ETC</i>	Event Triggered Control
<i>ETSMC</i>	Event Triggered Sliding Mode Control
<i>FET</i>	Field Effect Transistor
<i>HCM – BM</i>	Hysteresis Control Mode-Burst Mode
<i>HM</i>	Hysteresis Mode
<i>HM – SMC</i>	Hysteresis Mode based Sliding Mode Control
<i>ISMC</i>	Integral Sliding Mode Control
<i>IGBT</i>	Insulated-Gate Bipolar Transistor
<i>LFR</i>	Loss Free Resistor
<i>LQR</i>	Linear Quadratic Regulator
<i>MPPT</i>	Maximum Power Point Tracking/Tracker
<i>MOSFET</i>	Metal-Oxide Semiconductor Field Transistor
<i>PC</i>	Personal Computer
<i>PFC</i>	Power Factor Correction
<i>PFM</i>	Pulse Frequency Modulation
<i>PSM</i>	Pulse Skipping Modulation

Abbreviation	Full form
<i>PT</i>	Pulse Train
<i>PWM</i>	Pulse Width Modulation
<i>QSMC</i>	Quasi Sliding mode Control
<i>RMS</i>	Root Mean Square
<i>SCM</i>	Skip Cycle Modulation
<i>SLFR</i>	Sliding mode based Loss Free Resistor
<i>SMC</i>	Sliding Mode Control
<i>THD</i>	Total Harmonic Distortion
<i>VM</i>	Voltage Mode
<i>VSS</i>	Variable Structure System
<i>ZCS</i>	Zero Current Switching
<i>ZSC</i>	Z-Source Converter
<i>ZVS</i>	Zero Voltage Switching