

LIST OF ABBREVIATIONS

ACS	Ant-Colony-System
ADC	Analog to Digital Converter
BDC	Bi-Directional DC Converter
BESS	Battery Energy Storage System
BIPV	Building Integrated Photo Voltaic
CF	Capacity Factor
CAES	Compressed Air Energy Storage
CRF	Current Ripple Factor
DSP	Digital Signal Processing
DC	Direct Current
DOD	Depth of Discharge
DM	Direct-Methanol
ESC	Extremum Seeking Control
eV	Electro Volt
FF	Fill Factor
FES	Flywheel Energy Storage
GW	Giga Watt
GP-LBCS	Grey-Predicted Li-Ion Battery Charge System
INC	Incremental Conductance Algorithm
KW _p	Kilo Watt Peak
MPPT	Maximum Power Point Tracking
MW _p	Mega Watt Peak
MC	Molten-Carbon
NOCT	Nominal Operating Conditions Temperature
OTEC	Oscen Thermal Energy Conversion
PV	Photo Voltaic
P&O	Perturb and Observe
PCC	Point of Common Coupling
PWM	Pulse Width Modulation
PHS	Pumped Hydro Storage
PAC	Pumped Hydro Accumulation Storage
PLC	Progrmmable Logic Controllers
REN	National Renewable Energy
RE	Renewable Energy
SAPV	Stand-Alone Photo Voltaic
STATCOM	Static Compensator
SMES	Superconducting Magnetic Energy Storage
SO	Solid Oxide
UDC	Unidirectional DC Converter
UPS	Uninterruptible Power Supplies
VRB	Vanadium Redox Battery
VR-BESS	Voltage Regulated - Battery Energy Storage System
WRA	Wind Resource Assessment
XOR	Exclusive- Or Gate