

# List of tables

3.1	Design parameters of Topology T1, T2, and T3 [134–136]. . . . .	55
3.2	Winding detail for Topology T1 with 2-phase, 6 pole concentrated tooth winding. . . . .	55
3.3	Winding details of 18 slot, 3 phase, 4 poles, double layer distributed winding. .	58
4.1	Specification of the fan motor load . . . . .	79
A.1	Design parameters of the emulated wind turbine. . . . .	158
A.2	Controller parameters of DC-motor torque control. . . . .	158
B.1	Routh-Hureitz table. . . . .	159
C.1	Nameplate Rating of Solar Panel. . . . .	161