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**APPENDIX**  
**SIMULATION PARAMETERS**

***INDUCTION GENERATOR PARAMETERS:***

1.66 MVA, 575 V, 6 pole, 60 Hz three-phase induction generator.

Stator resistance ( $R_s$ ) = 0.00706 pu.

Rotor resistance ( $R_r$ ) = 0.005 pu.

Stator leakage inductance ( $L_{ls}$ ) = 0.171 pu.

Rotor leakage inductance ( $L_{lr}$ ) = 0.156 pu.

Magnetizing inductance ( $L_m$ ) = 2.9 pu.

Inertia constant ( $H$ ) = 1 s.

Friction constant ( $F$ ) = 0.01 pu.

Number of pair poles ( $P$ ) = 3.

Number of units = 6.

***CONVERTER PARAMETERS:***

Grid-side coupling inductor = 3mH.

Grid-side coupling inductor internal resistance = .26ohm

DC bus capacitor = .06F

DC bus reference voltage =1200 V.

