

Figure 1: Simplified diagram of a single phase full-bridge rectifier.

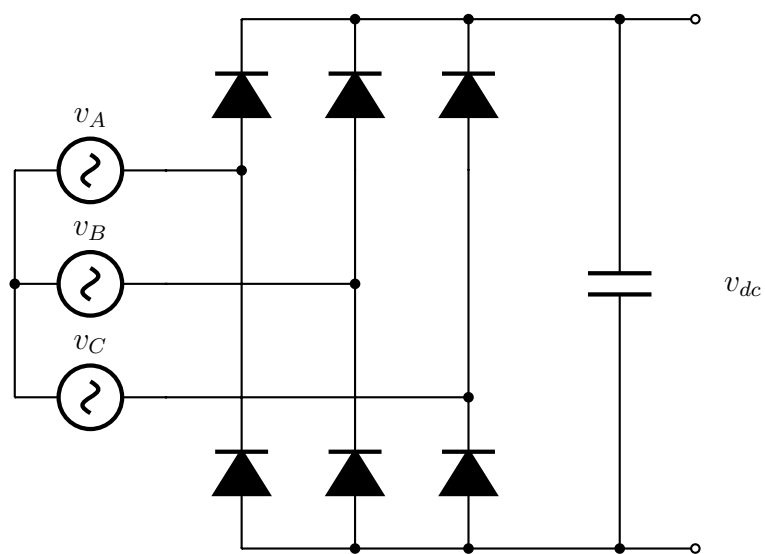


Figure 2: Simplified diagram of a three phase full-bridge rectifier.

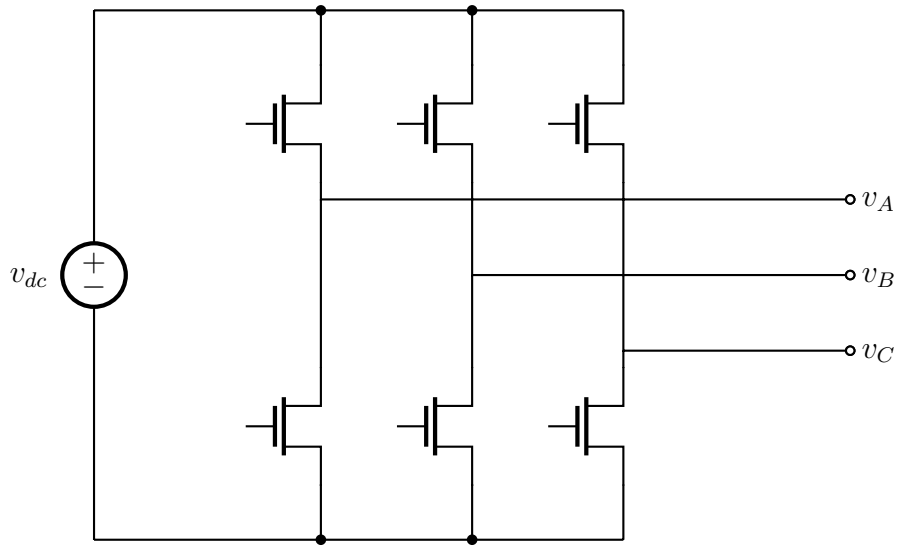


Figure 3: Simplified diagram of a three phase inverter.

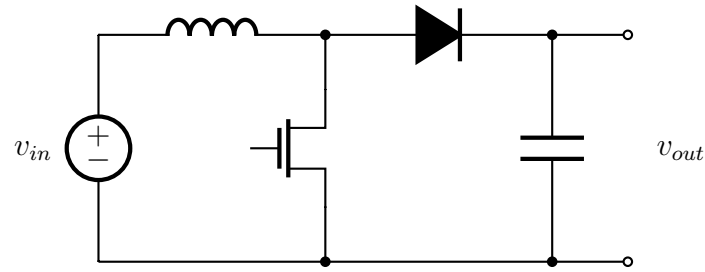


Figure 4: Simplified diagram of a boost converter.

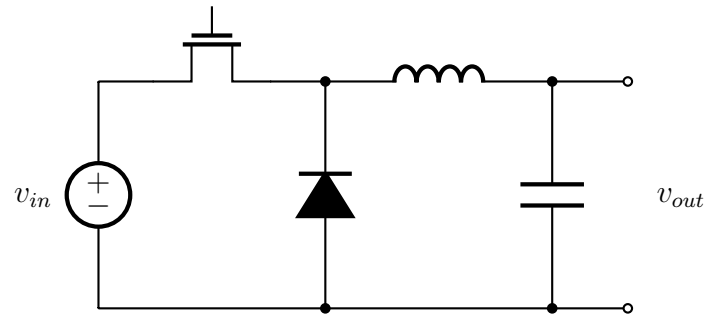


Figure 5: Simplified diagram of a buck converter.

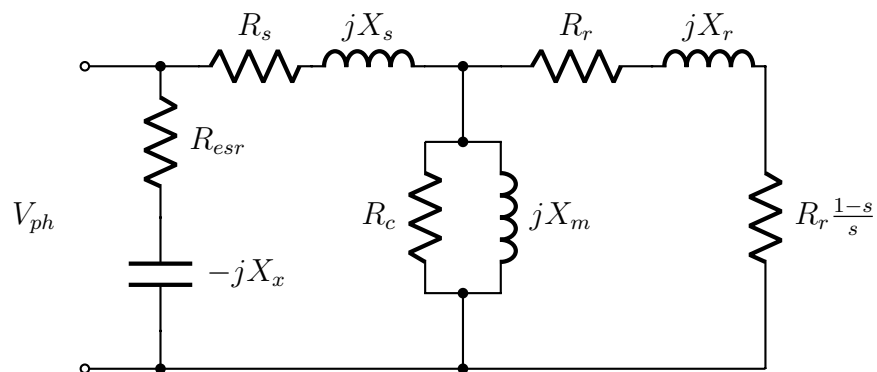


Figure 6: Single phase equivalent circuit of a three phase squirrel cage induction machine.  $V_{ph}$  and  $s$  are the phase voltage and slip of the generator.

Pilgrim Model Flow diagram - AC bus.pdf

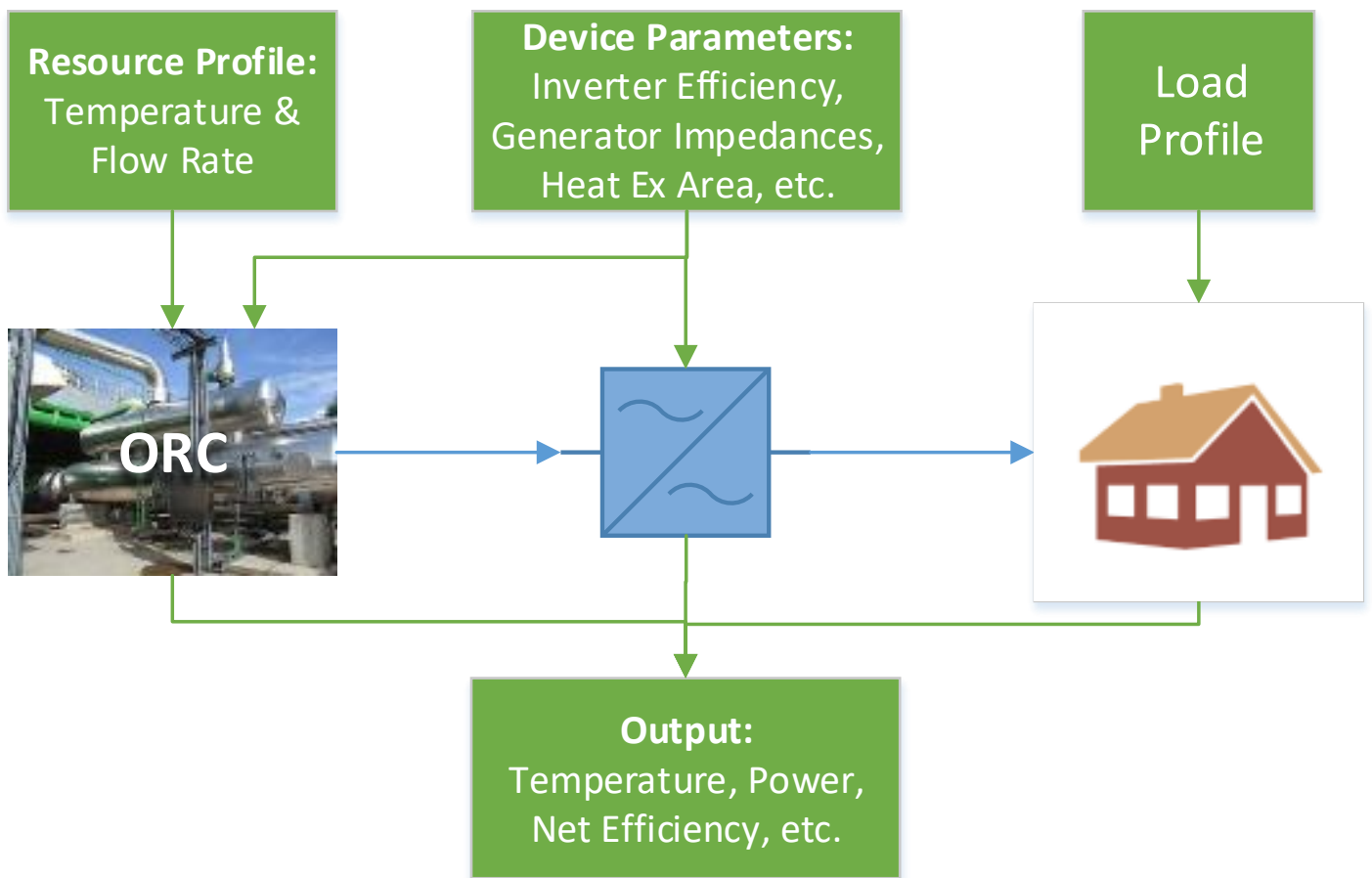


Figure 7: A simplified block diagram of power and data flows of the model. Blue lines represent electrical power connections and flows similar to a one-line diagram. Green boxes represent data flow from one part of the model to another.

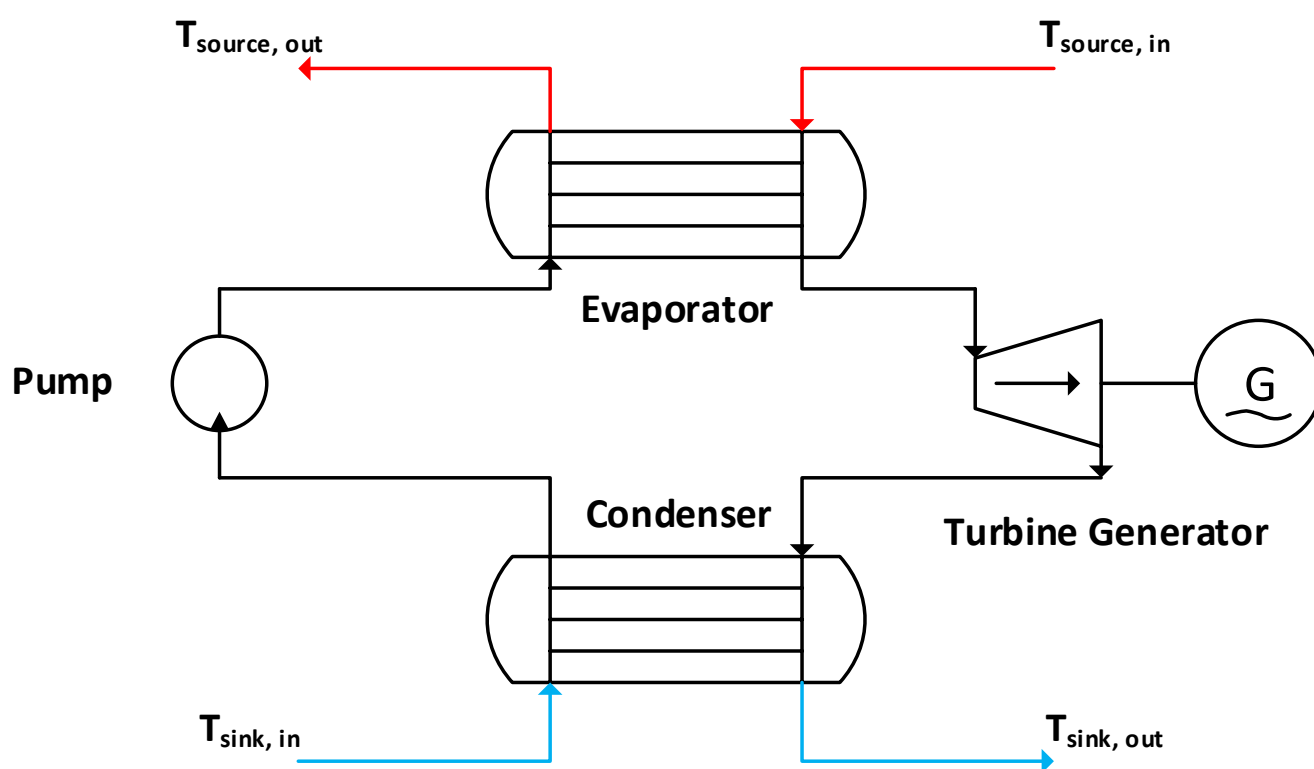


Figure 8: Diagram of a Rankine Cycle system.