Figure 33: Polarization and Power Curves

Figure 33 also illustrates the system parasitic load as a function of net current and net output power. To support Nexa™ system operation, the fuel cell stack provides power to the air pump, cooling fan, as well as onboard sensors, actuators and controllers. The auxiliary power requirement at system idle is approximately 35 watts. Auxiliary loads increase with increasing current, primarily to support higher air pump and cooling fan duty. At rated system power approximately 250 watts of auxiliary load is required.