

1.2 Selecting a Hardware Configuration

In this example, we will use the [eHSx64_Dual_PMSM_VDQ_IO_7868R](#) configuration to deploy to a PXIe-7868R card. The configuration includes one eHSx64 solver, multiple signal generators (Sinewaves, PWM, SPWM), and a PMSM BLDC Machine Model. Although this configuration allows us to simulate two PMSM machines, they will not be used in this example.

The hardware configuration must be selected prior to deployment. For more information about supported hardware configurations, please refer to the [Supported Hardware Configurations](#) section.

- In the Configuration Tree, expand **Controller >> Custom Devices** to display the **Power Electronics Add-On** custom device.
- Click **OPAL-RT Power Electronics Add-On** to open the configuration page.
- The **Configuration** dropdown lists the supported hardware configurations of the Add-On. Confirm that [eHSx64_Dual_PMSM_VDQ_IO_7868R](#) is selected. Please refer to the [eHSx64_Dual_PMSM_VDQ_IO_7868R](#) section for more information about this configuration.
- In the NI Measurement and Automation Explorer, ensure that the PXIe-7868R FPGA target is named FPGA0. For more information, see [How to Select a Hardware Configuration](#).
- Click **Save**.

