

PowerFlex 700 Vector Control Configuration and Startup

OEM: Rockwell Automation • Duration: 1 Day (8 hrs) • Code: CCA161

COURSE MODULES & TOPICS

Course Purpose

- ControlNet
- DeviceNet
- EtherNet/IP
- Remote I/O

Objectives

- Configure drive parameters using DriveExplorer and DriveExecutive software
- Configure drive parameters using an LCD HIM
- Startup a drive, upload and download drive data
- Control drive operation
- Install and configure a EtherNet/IP communications adapter
- Optional: Install and configure a DeviceNet, ControlNet, and remote I/O communications adapter

Prerequisites

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Ability to perform basic Microsoft Windows tasks
- Completion of the AC/DC Motors and Drives Fundamentals course (CCA101) or equivalent experience

Student Materials

- Student Manual contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises
- PowerFlex Standard and Vector Control Quick Reference Guide provides lists of parameters in both alphabetic and numeric order, as well as other information to assist with locating, monitoring, and modifying PowerFlex 700 drive parameters.

Course Agenda

- Configuring Drive Parameters Using the LCD HIM
- Configuring Drive Parameters Using DriveExplorer Software
- Configuring Drive Parameters Using DriveExecutive Software

- Uploading and Downloading Drive Data
- Starting Up a Drive • Controlling Drive Operation
- Installing and Configuring an EtherNet/IP Communications Adapter
- Optional: Installing and Configuring a Remote I/O Communications Adapter
- Optional: Installing and Configuring a DeviceNet Communications Adapter
- Optional: Installing and Configuring a ControlNet Communication Adapter