

PowerFlex 750-Series Configuration, Startup, Maintenance, and Troubleshooting

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: DRV215

COURSE MODULES & TOPICS

Course Purpose

- The A6 LCD HIM
- Connected Components Workbench™ software
- DriveExecutive™ software

Prerequisites

- Working knowledge of electricity and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Completion of the AC/DC Motors and Drives Fundamentals course (Course No. CCA101) or equivalent experience
- Previous experience with PowerFlex 700 Vector Control and/or PowerFlex 700S drives is recommended but not required.

Student Materials

- Student Manual Includes the key concepts, definitions, examples, and activities presented in this course.
- Lab Book Provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback.
- PowerFlex 750-Series AC Drives Programming Manual: Source of drive parameters and other key data.
- Contains frequently referenced programming documentation
- PowerFlex 750-Series AC Drives Installation Instructions: Provides steps for installing and wiring drives.
- Contains frequently referenced installation data

Course Agenda

Day 1

- Locating PowerFlex 750-Series Drive Hardware
- Verifying the PowerFlex 750-Series Drive Installation Environment
- Verifying PowerFlex 750-Series Drive Wiring and Grounding
- Locating and Modifying PowerFlex 750-Series Data Using the A6 HIM

Day 2

- Configuring EtherNet/IP Communications for a PowerFlex 750-Series Drive

- Locating and Modifying PowerFlex 750-Series Data Using Drive Software
- Starting Up a PowerFlex 750-Series Drive
- Interpreting PowerFlex 750-Series Control Block Diagrams
- Controlling PowerFlex 750-Series Drive Operation

Day 3

- Clearing PowerFlex 750-Series Drive Alarms and Faults
- Performing Predictive Maintenance Using PowerFlex 750- Series Parameters
- Troubleshooting PowerFlex 750-Series Load and Environmental Faults
- Troubleshooting PowerFlex 750-Series Equipment Malfunctions
- Integrated Practice - Maintaining and Troubleshooting a PowerFlex 750-Series Drive