

AC Drives

PowerFlex® 755 Maintenance and Troubleshooting Course Description

COURSE AGENDA

Day 1

- Identifying PowerFlex 755 Drive Hardware
- Locating PowerFlex 7-Class Drive Data Using the A6 HIM
- Monitoring and Modifying PowerFlex 755 Data Using DriveExplorer Software
- Monitoring and Modifying PowerFlex 755 Data Using DriveExecutive Software
- Clearing PowerFlex 755 Drive Alarms and Faults

Day 2

- Performing Predictive Maintenance Using PowerFlex 755 Parameters
- Troubleshooting PowerFlex 755 Load and Environmental Faults
- Troubleshooting PowerFlex 755 Equipment Malfunctions
- Integrated Practice: Maintaining and Troubleshooting a PowerFlex 755 Drive



COURSE NUMBER: CCA180

Course Purpose

This skill-building course introduces concepts and techniques that will assist you in successfully maintaining and troubleshooting a PowerFlex 755 drive. You will learn how to recognize PowerFlex 755 drive hardware and properly wire the drive. You will also learn to diagnose specific faults.

Throughout the course, you will have the chance to use a variety of maintenance and troubleshooting tools, including:

- The **new** A6 LCD HIM
- DriveExplorer™ software
- DriveExecutive™ software

After each demonstration, you will be given exercises that offer extensive hands-on practice using the PowerFlex 755 drive.

This two-day course can be taken as a stand-alone course, or it can be taken in conjunction with other courses in the PowerFlex curriculum for further skills development.

Who Should Attend

Individuals responsible for maintaining and troubleshooting PowerFlex 755 drives should take this course.

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Ability to perform basic Microsoft® Windows® tasks
- Completion of the *AC/DC Motors and Drives Fundamentals* course (Course No. CCA101) or *Fundamentals of AC and DC Motors and Drives* Web-based training (ePass/WBT1PACK) or equivalent experience

Student Materials

To enhance and facilitate each student's learning experience, the following materials are provided as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- *PowerFlex 750-Series AC Drives Documentation Reference Guide*, which contains several relevant technical publications. This searchable, electronic resource contains the most frequently referenced configuration and troubleshooting information and is a quick and efficient on-the-job resource.
- *PowerFlex 750-Series AC Drives User Manual*, which includes wiring diagrams, start-up procedures, parameter lists, fault/alarm codes, and other configuration and troubleshooting tips.
- *Enhanced PowerFlex 7-Class Human Interface Module (HIM) User Manual*, which includes information on HIM installation, components, and parameters.
- *PowerFlex 755 Drive Embedded EtherNet/IP Adapter User Manual*, which provides a guide to adapter installation, configuration, and troubleshooting.

Hands-On Practice

Hands-on practice is an integral part of learning, and this course offers extensive hands-on opportunities. An in-class workstation allows students to replace PowerFlex 755 drive components and troubleshoot faults and alarms. The PowerFlex 755 drive workstation introduces real-world maintaining and troubleshooting situations into a classroom setting.

Course Length

This is a two-day course.

Course Number

The course number is CCA180.

IACET CEUs

CEUs Awarded: 1.4



To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

www.rockwellautomation.com

Power, Control and Information Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846