

Virtual Classroom Course Description



PowerFlex 523/525 Drives Programming with
PowerFlex 525 Drive Kit: Communications and Programming



Course Agenda

Session 1:

PowerFlex 523/525 Drives: Communications

- Establish communications with a PowerFlex 523/525 drive via a USB connection
- Establish communications with a PowerFlex 525 drive via an EtherNet/IP network

Session 2:

PowerFlex 523/525 Drives: Programming

- Configure a PowerFlex 523/525 drive using the Startup Wizard in Connected Components Workbench software
- Create a CustomView™ parameter group
- Edit and test parameters using the HIM

Course Number

VC-PF523P-A

Course Purpose

After completing this course, you should be able to program drive parameters for an example drive application. This course will also teach you how to create a custom parameter group based upon drive applications. The instructor will cover a range of topics from establishing communications via USB or an EtherNet/IP™ network to testing parameters of a PowerFlex® 523/525 drive using the HIM.

LISTEN.
THINK.
SOLVE.™

Who Should Attend

Individuals who have drive programming experience but are new to PowerFlex component-class drives should attend this course.

Prerequisites

Knowledge of AC/DC drive fundamentals and drives programming experience are required for this course. In addition, basic working knowledge of safe electrical practices is required. This includes but is not limited to the following:

- Understanding electricity, how it works, and the dangers involved in working with electricity
- Wearing appropriate personal protective equipment (e.g. eye protection, gloves, etc.)
- Identifying hazardous conditions
- Adhering to all safety regulations

Technology Requirements

- A computer and phone are required. For minimum computer requirements for the virtual classroom tool, please visit: <http://support.webex.com/support/system-requirements.html>
- Connected Components Workbench™ software must be installed. You can obtain a free download from the Rockwell Automation website at: www.ab.com/go/ccws/

Student Materials

You will receive the following course materials:

- PowerFlex 525 Drive Kit (yours to keep after the course)
- PowerFlex 523/525 Drive Programming Lab Book (in electronic format to print on your own)

Hands-On Practice

Your instructor will demonstrate how to establish communications and edit parameters for a PowerFlex 525 drive. You will then practice these tasks in Connected Components Workbench software. You will also practice testing using the HIM. A PowerFlex 525 Drive Kit is provided with the course and is yours to keep and use after class to reinforce skills learned.

NOTE: A motor will not be included in the PowerFlex 525 Drive Kit for this course.

Next Learning Level

After learning how to program a PowerFlex 525 drive, you may want to consider additional training on Rockwell Automation's architecture-class drives such as:

- *PowerFlex 750-Series Configuration and Startup* (Course Number: CCA182)
- *PowerFlex 750-Series Maintenance and Troubleshooting* (Course Number: CCA183)

Course Length

Each session is 90 minutes

Virtual Classroom Learning Activities and Features

Rockwell Automation Virtual Classroom training is delivered by a live instructor using a blended learning style, which includes a combination of PowerPoint presentations, video, and/or animations, as well as interactive practice. Courses can include various learning activities and features:

- Polls/surveys
- Group and private chat
- White board
- Desktop sharing
- Passing control to students
- Break out rooms for small group discussion
- Check knowledge through testing

IACET CEUs

Rockwell Automation is authorized by IACET to offer 0.3 CEUs for this program. (0.15 CEUs for each session).



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.

Important Registration Information

This course includes a PowerFlex 525 Drive Kit that will be shipped to you after you enroll. Due to shipping lead-times, **you must register for this course at least 2 weeks before the first session.**

Rockwell Automation is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. [Click here](#) to view the Rockwell Automation Certificate of Accreditation.

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