

COURSE DESCRIPTION

G183

ACS800-67LC Wind Turbine Converter Start-up and Service Basics



Course Type and Description

Classroom course with hands-on lab activities led by an instructor.

The course contains lectures and hands-on exercises with ACS800 drive units and start-up exercises with Wind Turbine Converter.



Course Objective

Upon completion of this course, students will be able to:

- Commission ACS800-67LC Wind Turbine Converter
- Operate and maintain ACS800-67LC Wind Turbine Converter



Course Duration

The course duration is 3 days.



Main Topics

The course has the following topics and hands-on exercises:

- Component and board functions
- Cascade generator control principle
- Locating and identifying terminals, boards and other components
- Converter and Supply unit commissioning
- Changing the settings
- Use of DriveWindow tool in commissioning and fault tracing
- Changing the module and other basic parts



Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800-67LC Wind Turbine Converter.



Course Goal

The goal of this course is to teach students to start-up, adjust, operate and maintain ACS800-67LC Wind Turbine Converter.



Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics
- Experience in using PC in the Windows environment

Day 1

09:00 Introduction of the Course
09:15 System Presentation
10:15 Break
10:30 Installation
11:00 Maintenance
12:00 Lunch
13:00 Fault Tracing
14:15 Break
14:30 Repair
15:15 Inverter Unit and Module Exercises
16:00 End of the Day

Day 2

09:00 Inverter Module Exercise
10:00 Break
10:15 Ethernet Adapter Exercise
12:00 Lunch
13:00 Start-up with WTD Unit
14:00 Break
14:15 Measurements and Start-up Exercises with WTD Unit
15:30 Summary
16:00 End of the Day

Street address

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Low voltage drives training

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