

Course description

G200

ABB Solar inverters, PVS300 startup and service hands-on

Course type and description

The ABB solar inverters learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: classroom course with hands-on lab activities led by an instructor. This course contains hands-on PVS300 exercises.

The first part of the learning event includes the theory based e-learning courses mentioned below. Please note that the e-learning course material is not covered during the classroom course. You are required to complete the e-learning part before the classroom part, which is essential in order to be able to succeed in the hands-on lab activities during classroom days. The status of e-learning course completion is monitored.

Please see the accompanying figure of possible learning paths.

Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- G200e Internet course

Course duration

The course duration is 1 day.

Student profile

This course is intended for electricians, technicians, and engineers who maintain, commission and service PVS300 inverters.

Course goal

The goal of this course is to teach students to install, start-up, adjust and operate PVS300 solar inverters.

Course objectives

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

- Commission and tune PVS300 solar inverters
- Operate and maintain PVS300 solar inverters

Main topics

- Location of components
- Control panel functions
- Inverter commissioning
- Inverter maintenance
- SREA-50 module
- 3-phase monitoring

Low voltage drives training

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Agenda

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Day 1

- 09:00 Course Information
- 09:10 Exercise 1
- 09:50 Coffee break
- 10:00 Exercise 2
- 11:00 Exercise 3
- 12:00 Lunch
- 13:00 3-phase monitoring exercise
- 14:00 Coffee break
- 14:15 3-phase monitoring exercise
- 15:00 Course evaluation
- 15:30 End of the course

Exercise order	Group 1	Group 2	Group 3
Exercise Installation and field service	1	2	3
Exercise Panel and start-up	2	3	1
Exercise SREA-50	3	1	2
Exercise 3-phase monitoring	All		

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