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
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

<table>
<thead>
<tr>
<th>Exercise order</th>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
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<tbody>
<tr>
<td>Installation and field service</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Panel and start-up</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>SREA-50</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3-phase monitoring</td>
<td>All</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Low voltage drives training
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