Course description

G660 A

ABB Solar inverters, PVS800 operation and maintenance hands-on

Course type and description
The ABB solar inverter learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: This is a classroom course with hands-on lab activities led by an instructor. This course contains hands-on PVS800 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
- G660e 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 PVS800 inverters.

Course goal
The goal of this course is to teach students to install, start-up, adjust and operate PVS800 inverters.

Course objectives
Upon completion of this course, students will be able to:
- Operate and maintain PVS800 inverters
- Indicate fault and warning messages

Main topics
- Location of components
- Control panel functions
- Inverter Maintenance
- DriveWindow tool operations
- Fault and warning indications
- Spare part module capacitor reforming
Low voltage drives training
ABB University Finland, Helsinki Training Center
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Agenda

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Day 1

08:30 Course Information
08:45 Exercise 1
10:15 Coffee break
10:30 Exercise 2
12:00 Lunch
13:00 Exercise 3
14:15 Coffee break
14:30 Exercise 4
15:45 Course evaluation
16:00 End of the course

<table>
<thead>
<tr>
<th>Exercise packages</th>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
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<tbody>
<tr>
<td>Package (14)</td>
<td></td>
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<tr>
<td>Control panel</td>
<td>1</td>
<td>4</td>
<td>3</td>
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<tr>
<td>Package (15)</td>
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<tr>
<td>Location and fan replacement</td>
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<td>4</td>
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<td>Package (16)</td>
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<tr>
<td>DriveWindow</td>
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<td>Package (17)</td>
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<tr>
<td>Capacitor reforming</td>
<td>4</td>
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