COURSE DESCRIPTION

G6601
ABB Solar inverters, PVS800 expert hands-on training

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.

Prerequisites
- Basic knowledge of electronics
- Experience in using a Windows PC
- G660e Internet course
- G203e - NETA-21 remote monitoring tool and Drives service, Internet course

Course duration
The course duration is 2,5 days.

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:
- Commission PVS800 inverter
- Operate and maintain PVS800 inverters
- Read and modify parameters and diagnostics of PVS800 inverters

Main topics
- Location of components
- Control panel functions
- Commissioning
- Inverter Maintenance
- DriveWindow tool
- Fault and warning indications
- Spare part module capacitor reforming
- Ethernet adapter operations
- Modbus
- Redudancy procedure
- Start-up value calculations
AGENDA

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Day 1
09:00 Course Information
09:25 Exercises
10:15 Coffee break
10:30 Exercises
12:00 Lunch
12:45 Exercises
14:15 Coffee break
14:30 Exercises
16:00 End of the day

Day 2
08:30 Exercises
10:00 Coffee break
10:15 Exercises
12:00 Lunch
12:45 Exercises/ Calculation & Start –UP (Group 2)
14:15 Coffee break
14:30 Exercises/ Calculation & Start –UP (Group 2)
16:00 End of the day

Day 3
08:30 Calculation & Start –UP (Group 1&3) / Exercises
10:00 Coffee break
10:15 Calculation & Start –UP (Group 1&3) / Exercises
11:45 Course evaluation
12:00 Lunch
12:45 G6602 Course starts (in classroom 2)

Exercise packages  
(binder tab)  
<table>
<thead>
<tr>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
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| Package (16)  
DriveWindow | 1 | 7 | 4 |
| Package (18)  
Control panel & Commissioning | 2 | 8 | 5 |
| Package (19)  
Neta-21 | 3 | 1 | 6 |
| Package (13)  
Modbus | 4 | 2 | 7 |
| Package (20)  
Redundancy & module replacement | 5 | 3 | 8 |
| Package (15)  
Location and fan replacement | 6 | 4 | 1 |
| Package (14)  
APBU-logger | 7 | 5 | 2 |
| Package (17)  
Capacitor reforming | 8 | 6 | 3 |