COURSE DESCRIPTION

G6601
ABB solar inverters, PVS800-57, 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
- 9CSC008194, PVS800-57 product safety procedure, Internet course
- G660e Internet course
- G203e - NETA-21 remote monitoring tool and Drives service, Internet course

Course duration
The course duration is 2 days.

Participant 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 participants to safely start-up, adjust and operate PVS800-57 inverters.

Course objectives
Upon completion of this course, students will be able to:
- Commission PVS800-57 inverter
- Operate and maintain PVS800-57 inverters
- Read and modify parameters and diagnostics of PVS800-57 inverters

Main topics
- Safety actions with PVS inverters
- Location of components
- Control panel functions
- Commissioning
- Inverter Maintenance
- Inverter module replacement
- DriveWindow tool
- Fault and warning indications
- Spare part module capacitor reforming
- Ethernet adapter operations
- Redudancy procedure
- Start-up value calculations
AGENDA – NOVEMBER 2019

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Day 1
09:00  Course information: practical info and local safety issues
  Product safety presentation
  Safety procedure and the 7 steps in practice
  PV plant calculation exercise
  Lunch
  Hands-on exercises in small groups, according to the list below
16:00  First day wrap-up

Day 2
08:30  Hands-on exercises continue
  Lunch
  Hands-on exercises finalisation
15:45  Course wrap-up and evaluation

List of hands-on exercises
Each group shall complete all the below listed exercise packages within the two hands-on training days. The first exercise for each group to start with is marked in the list below.

- Control panel exercise
- DriveWindow exercise
- Commissioning exercise
- NETA-21 exercise
- APBU datalogger exercise
- Location and fan replacement exercise
- Module replacement, redundancy
- Capacitor reforming exercise