

## G6801

# ABB Solar inverters, PVS800-57B 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 PVS800-57B 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.

The SW exercises are common with PVS980 hands on course. The students who have participate the G6701 course can skip the SW exercises.

### Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- Internet courses: G374e, G375e, G376e and G6801e

### Course duration

The course duration is 1,5 days.

### Student profile

This course is intended for electricians, technicians, and engineers who maintain, commission and service PVS800-57B inverters.

### Course goal

The goal of this course is to teach students to start-up, adjust and service PVS800-57B inverters.

### Course objectives

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

- Commission PVS800-57B inverter
- Service and maintain PVS800-57B inverters
- Read and modify parameters and diagnostics of PVS800-57B inverters

### Main topics

- Control panel functions
- DriveComposer tool
- Fault and warning indications
- Commissioning
- Inverter software handling
- PLC software handling
- Location of components
- Inverter Maintenance
- Inverter module replacement
- Inverter temporary grounding

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## Day 1

08:30 Course Information

08:50 HW Exercises

10:15 Coffee break

10:30 HW Exercises

12:00 Lunch

12:45 SW Exercises

14:15 Coffee break

14:30 SW Exercises

16:00 End of the day

## Day 2

08:30 SW Exercises

10:00 Coffee break

10:15 SW Exercises

12:00 Lunch

13:00 End of the course

HW exercise groups:

– Group 1:

– Group 2:

SW exercise groups:

– Group 1:

– Group 2:

– Group 3:

HW Exercise packages	Group 1 Exercise	Group 2 Exercise		
Package Location A	1	2		
Package Location B	2	1		
Module fans exchange	When free time	When free time		
SW Exercise packages	Group 1 Exercise	Group 2 Exercise	Group 3 Exercise	
Package Control panel	1	2	1	
Package DriveComposer	2	3	3	
Package Inverter SW download	3	4	4	
Package PLC SW download	4	1	2	