

Course description

G615e

Solar inverter technical features, Internet course

Course type

Internet course

Course Duration

The course duration is approximately 20 minutes.

Course Goal

The goal of this course is to describe PV system and module related inverter features and their restrictions. Additionally the student is introduced to the inverter grid support functions.

Student Profile

This course is intended for solar inverter sales and sales support persons as well as for PV system engineers.

Prerequisites

It is recommended to complete these e-learning courses beforehand:

- G610e - Basics of Solar and photovoltaic systems and markets
- G611e - Photovoltaic system key components
- G613e - PV system sizing
- G660e – PVS800 solar inverter fundamentals
- G200e – PVS300 solar inverter fundamentals

E-learning courses require an Internet connection. The recommended browser is Microsoft Internet Explorer.

Course Objectives

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

- General technical solar inverter features,
- ABB solar inverter compatibility with different PV module types
- The purpose of different grid support functions and in detail how ABB central and string inverters fulfill these

Main Topics

- Inverter features (ground fault monitoring and DC grounding) and inverter compatibility with different PV modules
- Inverter grid supervision and anti-islanding
- Solar inverter grid support functions in general
- PVS300 and PVS800 grid support capabilities in detail

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