

## Course description

# G613e

# PV system sizing, Internet course

### Course type

Internet course

### Course Duration

The course duration is approximately 40 minutes.

### Course Goal

The goal of this course is to familiarize students with the general criteria of PV system design and how an inverter is to be properly sized for a PV system. Also the factors affecting inverter operation and sizing are described in detail.

### Student Profile

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

### Prerequisites

- E-learning course "G610e - Solar and photovoltaic systems and markets"
- E-learning course "G611e - Photovoltaic system key components"
- An Internet connection. The recommended browser is Microsoft Internet Explorer.

### Course Objectives

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

- Understand the basic design principles of different type of PV systems,
- Understand the key factors that affect on grid connected PV system sizing,
- Understand the general sizing steps of grid connected PV system,
- Get an overview of available PV system design and sizing tools

### Main Topics

- Overview of the design criteria of different kind of PV systems
- Overview of the solar availability
- Basic design parameters and design principles of grid connected system
- Grid connected system design in detail from the inverter point of view.
- Summary of different available design tools

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