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