

The Solar Design Company (SDC) Training Courses

PV*SOL Gridcon Course Content and Structure

1. Introduction

SDC provides training in the latest versions of the various technical software packages produced by Valentin EnergieSoftware GmbH. SDC is the official UK partner and distributor of Valentin software in the UK. This document summarises the intended course content and learning outcomes from the delivery of training sessions by SDC for the following titles:

PV*SOL Pro Gridcon
PV*SOL Expert Gridcon

Software training accelerates the learning process by adding to existing learning resources within the programs such as help menus, manuals and tuition videos.

The overall aim of the training is:

- a. To illustrate every dialogue within the software.
- b. To explain terminology.
- c. To practice typical methods used to obtain simulation results.

2. PV*SOL Pro

2.1 Course Overview

Attendees will be shown how to enter data and use PV*SOL Pro to design and simulate performance of solar photovoltaic systems. They will also be shown how to interpret the results generated by the systems created and how to make any changes necessary to optimise configurations of modules and inverters. An economic analysis will be created and various report outputs will be produced. These will be customised to suit their specific requirements.

2.2 Course Structure

A typical training session for PV*SOL Pro is expected to take one and a half days. The first day will start at 8.30am and finish at around 4.30pm, with a lunch break from 12.15-1.15pm and two 15 minute tea breaks starting at around at 10.30am and 2.45pm. There is also the possibility here to add a 1 hour session in PV*SOL Pro or Expert 'Standalone' which will start at 4.30pm should it be required. (This option is only for users of PV*SOL Pro/Expert Set. Please contact us for details & pricing if you wish to add this option). The second day will start at 8.30am and finish at 12.30 with one 15 minute tea break at around 10.30.

3. PV*SOL Expert

3.1 Course overview

Attendees will be shown how to enter data and use PV*SOL Expert to design and simulate performance of solar photovoltaic systems. They will also be shown how to interpret the results generated by the systems created and how to make any changes necessary to optimise configurations of modules and inverters. An economic analysis will be created and various report outputs will be produced. These will be customised to suit specific requirements.

3.2 Course Structure

A typical training session for PV*SOL Expert is expected to take two full days. Both days will start at 8.30am and finish at around 4.30pm, with a lunch break from 12.30-1.30pm and two 15 minute tea breaks starting at around at 10.30am and 2.45pm. The initial one and a half days' of training is the same for both PV*SOL Expert and PV*SOL Pro, with the second half of Day 2 dedicated to the additional features available in PV*SOL Expert. There is also the possibility to add a 1 hour session in Meteonorm at 4.30pm on Day 2 should that be required (This option is only for users of Meteonorm. Please contact us for details & pricing if you wish to add this option).

3.3 Timetable

Day one

Time	Description
08:30 to 09:00	Arrive at the venue for registration and to get setup and comfortable
09:00 to 10:30	Session 1: Overview and using Quick Design
10:30 to 10:45	Tea Break
10:45 to 12:15	Session 2: Databases, inverters and the main technical dialogues.
12:15 to 13:15	Lunch
13:15 to 14:45	Session 3: Multiple inverters and arrays, introduction to roofing and shade.
14:45 to 15:00	Tea Break
15:00 to 16:30	Session 4: Running simulations, understanding and using the results.
16:30	End of Day 1
16:30-17:30	PV*SOL Standalone Option (additional tuition in using PV*SOL for off grid scenarios - for Pro/Expert 'Set' users.)

Day two

Time	Description
08:30 to 09:00	Arrive at the venue for registration and to get setup and comfortable
09:00 to 10:30	Session 5: Economic Analysis followed by introduction to Photoplan.
10:30 to 10:45	Tea Break
10:45 to 12:15	Session 6: Photoplan worked examples followed by course review/questions & answers, presentation of certificates (PV*SOL Pro attendees only)
12:15 to 13:15	Lunch. (PV*Sol Attendees leave)
13:15 to 14:45	Session 7: 3D Analysis – roof parallel systems.
14:45 to 15:00	Tea Break
15:00 to 16:30	Session 8: 3D Analysis- frame mounted systems, 3D worked examples followed by course review/questions & answers, presentation of certificates (PV*SOL Expert attendees only)
16:30	End.
16:30-17:30	Meteonorm option (additional tuition in using Meteonorm climate file generator software – prices & details available on request)