

COURSE DATA SHEET

LCL Level 3 Award in the Installation & Maintenance of Small-Scale Solar Photovoltaic Systems.



The purpose and aim of this 2-day course is to enable electricians to plan and prepare for the installation (including testing and commissioning) and handover of grid connected Solar photovoltaic systems as defined in BS7671 and within the scope of Engineering Recommendations G98 and G99 connected to both single phase and three-phase installations and in accordance with the requirements of the Microgeneration Certification Scheme (MCS).

Course Content

This course provides learners with an understanding of the following topics:

- The health and safety risks and safe systems of work associated with solar PV system installation work.
- The relevant regulations/standards relating to practical installation, testing and commissioning activities for solar PV system installation work.
- The fundamental differences between a.c and d.c circuits within solar PV systems.
- The purpose of solar PV system components.
- The types, silicon characteristics and typical conversion efficiencies of solar PV modules.
- The fundamental design principles used to determine solar PV system module array size and position requirements.
- The preparatory work required for solar PV system installation work.
- The layouts and the requirements for installing solar PV module arrays.
- Solar PV system d.c and a.c circuit installation layouts within the scope of the relevant Engineering Recommendation for grid tied systems.
- Solar PV system protection techniques and components.
- The requirements to test and commission solar PV systems.
- The requirements to handover solar PV systems.

Who should attend this course? This course is aimed at experienced electricians who hold a Level 3 Electrotechnical N/SVQ qualification or equivalent, a current Wiring Regulation qualification & Level qualification in Initial Verification and certification of Electrical Installations. You may also be eligible if you are a member of a competent persons scheme.

Duration & Cost

2 days
£395 + VAT (£474)

Book suggestions

IET Code of Practice for Grid-connected Solar Photovoltaic Systems
ISBN-13:978-1-84919-721-2
(not included)

