



Level 3 Award in the Installation and Maintenance of Small-Scale Solar Photovoltaic Systems - LCL Awards



Course Aim

The aim of this course is to equip delegates with the knowledge and skills needed to safely and effectively, install and maintain, small-scale solar photovoltaic installations. This course covers both the practical and theory elements of training and gives delegates a MCS accreditation which is recognised by the Microgeneration Certification Scheme. This scheme demonstrates that delegates are able to install and maintain solar PV installations to the industry-expected standards.

We can also provide training for delegates wishing to gain qualifications in Solar PV and Electrical Energy Storage Systems course.



Course Duration

This is a 3 day course.



Maximum Delegates

Maximum attendees: 8 delegates.



Certification

Delegates successfully completing the course will receive an LCL Awards Level 3 Certificate.



Agenda

- The solar resource
- System configurations
- Solar system design
- Solar modules
- Solar module mounting structures & arrays
- Electrical wiring of the solar system and associated components
- Solar modules
- Grid-connected solar systems
- Charge controllers
- Batteries
- Practical PV wiring and maintenance sessions
- Sizing solar systems
- System testing & commissioning

Safety / Value / Availability / Support



[hsstraining.com](https://www.hsstraining.com)



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Who Should Attend?

This course is aimed at experienced delegates who **MUST** have the following qualifications:

- A Level 3 Award in the Requirements for Electrical Installations BS7671 (current edition) and
- A Level 3 Award in the Initial Verification and Certification of Electrical Installations or a combined award including Periodic Inspection & Testing

OR

Scottish equivalents through SELECT:

- A SELECT Customised Award in Requirements for Electrical Installations to BS 7671 (218) and
- A SELECT Customised Award in Initial Verification (209) or a combined award including Periodic Inspection & Testing (214)

If the applicant does not hold a Level 3 Award in the Initial Verification and Certification of Electrical Installations OR a SELECT equivalent as above, then they **MUST** hold one of the following:

- A Level 3 NVQ Diploma in Installing Electrotechnical Systems and Equipment
- An SVQ in Electrical Installations (SCQF level 7)
- A Level 3 Certificate in Installing, Testing and Ensuring Compliance of Electrical Installations in Dwellings
- An Experienced Worker Qualification
- An ECS Gold Card (Installation or Approved Electrician)
- Be a member of a competent person scheme, as a Qualified Supervisor that meets the requirements of the Electrotechnical Assessment Specification (EAS)

Delegates attending this course are required to have the following course books before attending this course:

- Code of Practice for Grid-connected Solar Photovoltaic Systems, 2nd Edition

If you have limited or no electrical experience/knowledge, it is advised that you contact us to discuss your training requirements **BEFORE** booking onto any of our electrical courses.

Please contact us on 0345 605 0006 to discuss further. Any courses booked without the correct prior knowledge or experience will result in **NO REFUNDS** given.

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