



## Level 3 Award in the Installation of Small-Scale Solar Photovoltaic (PV) Systems

This qualification is aimed at practicing electricians who wish to develop the skills and knowledge required to safely and competently install, commission and handover solar photovoltaic systems.

**Course duration** 4 days

### Who should attend?

The qualification has been designed for electricians who want to develop their knowledge and skills in the subject area and wish to use the qualification to progress to formal recognition of their competence via registration with an appropriate scheme.

Candidates must have an;

N/SVQ 3 in Electrical Installation or equivalent certification, and;

Level 3 Award to the current edition of BS 7671 Requirements for Electrical Installations (if not included in the above).

### Learning outcomes

This qualification focuses upon the competencies required to install (including testing and commissioning), and handover grid-connected solar PV systems with an electrical output of up to 5-kilowatt peak (kWp) connected to both single and three-phase installations.

### Course outline

- The new landscape - Distributed generation and the 'Prosumer'
- An overview of key safety considerations, legislation and industry guidance
- The fundamental differences between AC and DC including voltage ranges, sources and specific risks
- System component selection
- Fundamental system design principles – including the requirements of BS 7671, Section 712
- Inspection, testing and commissioning
- Notification and handover - G98, G99

This qualification includes;

- Practical assessment (locally assessed, in simulated conditions), and;
- Multiple-choice on-screen exam (closed book and invigilated)

## What do I need to have with me?

- A copy of BS 7671 (latest edition)
- A scientific calculator
- A device with internet access (such as a phone, tablet, or laptop)

### Optional

- IET Code of Practice for Grid-connected Solar Photovoltaic Systems (2nd Edition)
- Hand tools

Assessment body



## Next steps

Fundamentals of Electrical Energy Storage Systems (EESS)

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- Training only ever delivered by subject matter experts
- High quality training materials
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0333 0156626



traininginfo@certsure.com