



Level 3 Award in the Design, Installation and Commissioning of Electrical Energy Storage Systems

This qualification is designed to develop the skills and knowledge required for the safe design, installation, commissioning and handover of electrical energy storage systems (EESS). It reflects the guidance provided by the IET Code of Practice for Electrical Energy Storage Systems, together with the requirements of BS 7671.

Course duration 2 days (plus an additional ½ day for assessment)

Who should attend?

This qualification is aimed at practicing electricians who wish 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. It is recognised by MCS.

Candidates must hold one of the following:

- Level 3 NVQ Diploma in Installing Electrotechnical Systems and Equipment (Buildings, Structures and the Environment)
- Level 3 NVQ Diploma in Electrotechnical Services (Electrical Maintenance)
- Level 3 Electrotechnical Qualification
- Level 3 in Electrotechnical Services Experienced Worker
- Level 3 NVQ in Electrotechnical Services
- Level 3 Electrotechnical Experienced Worker Qualification.
- Level 3 Electrotechnical in Dwellings
- Level 3 Electrotechnical in Dwellings Experienced Worker Qualification
- EAL Building Services Engineering (Level 3) - Electrotechnical Installation
- Equivalent historical qualifications. See EAS Table 4B/4C, and the EAS Qualifications Guide and;
- A Level 3 Award to the current edition of BS 7671 Requirements for Electrical Installations (if not included in the above).

Or

- ECS Gold Card for a Domestic Electrician, JIB Electrician, or Approved Electrician Card.

Evidence will be requested to be provided once your booking has been made

Learning outcomes

This qualification focuses upon the competencies required to install (including designing, and commissioning) electrical energy storage systems (EESS) for use in a domestic setting.

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
- EESS components –
An overview of EESS arrangements
- How to specify an EESS –
including considerations for system sizing
- Fundamental system design principles –
including the requirements of BS 7671, and the IET CoP EESS
- Determining self-consumption of domestic solar PV installations - with and without EESS
- Inspection, testing and commissioning
- Notification and handover - G98, G99

This qualification includes:

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

Please note the practical based assessment will be completed on a date arranged following the 2-day course.

What do I need to have with me?

- A copy of BS 7671 (latest edition)
- IET Code of Practice for Electrical Energy Storage Systems (latest edition)
- A scientific calculator
- A device with internet access (such as a phone, tablet, or laptop)

Course specific notes are provided

Assessment body



Next steps

Level 3 Award in the Requirements for the Installation of Electric Vehicle Charging Points
Level 3 Award in the Installation of Small-Scale PV Systems

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0333 0156626



traininginfo@certsure.com