



Fundamental Requirements of Electrical Energy Storage Systems



This course has been designed to provide an introduction to Electrical Energy Storage Systems (EESS) and covers the installation of AC or DC coupled systems into low voltage installations. Such systems provide for the storage of electrical energy so that it can be used at a time when it is needed. The course covers the particular requirements of BS 7671 and reflects the guidance provided by the IET Code of Practice for Electrical Energy Storage Systems.

Course duration 7 hours

Who should attend?

This course is aimed at electricians, and those looking to gain a better understanding of Electrical Energy Storage Systems and the role they can play in supporting better use of energy.

Learning outcomes

This course explores the role of EESS in creating an 'energy hub' to allow users of installations to better manage energy usage within an installation. Installations with and without installed generation, for example Solar PV, are considered.

Course outline

- The new landscape - Distributed generation and the 'Prosumer'
- An overview of key safety considerations
- EESS components - An overview of EESS arrangements
- Design 1 - Considerations for system sizing
- Determining self-consumption of domestic solar PV installations - Installations with and without EESS
- Design 2 - Particular requirements of BS 7671 and IET CoP EESS
- Inspection, testing and commissioning
- Notification and handover - G98, G99

This course includes an end of session assessment

What do I need to have with me?

- A copy of BS 7671 (latest edition)
- IET Code of Practice Electrical Energy Storage Systems (latest edition)
- Calculator

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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