



BPEC Electrical Energy Storage Systems (EESS)



Course Aim

This qualification, developed by BPEC in collaboration with MCS, aligns with the specifications for Electrical Energy Storage Systems (EESS) as outlined in the IET Code of Practice for Electrical Energy Storage Systems and the MCS Battery Standard MIS 3012.

This training course aims to equip delegates with the essential knowledge and skills to perform installation effectively and safely over 2 days. Covering key topics such as batteries suitable for EESS, health & safety issues and designing, specification, sizing and installation of an EESS and more.

To take this Installation of EESS course you must already possess one of the pre-requisites which you will find on who should attend.



Course Duration

This is a 2-Day course



Maximum Delegates

Maximum attendees: 8-12 dependent on supplier



Agenda

To Understand

- The introduction to EESS (Electrical Energy Storage Systems)
- Different components and architectures involved
- EESS applications and operating states
- AC vs DC Battery systems
- Different batteries and their characteristics suitable for EESS
- Electrical regulations and standards including the IET Code of Practice and MIS 3012
- Designing, specification, sizing and installation of an EESS
- Safety and planning measures
- Self-consumption calculations based on MGD 003
- DNO approval and network connection process
- Health & safety issues
- Inspection, testing, commissioning and maintenance
- Handover and documentation



Certification

Delegates successfully completing this course will receive a BPEC Accredited Program Certificate.

Safety / Value / Availability / Support



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Who Should Attend?

This course is aimed at existing practicing electricians, electrical technicians, and engineers with experience of electrical installations, associated inspection and testing. Giving them the necessary training to upskill their existing skills.

Entry Pre-Requisites:

- N/SVQ Installing Electrical Systems and Equipment Buildings, Structures and the Environment or Electrotechnical Technology and BS 7671: 2018 Requirements for Electrical Installations (18th Edition) qualification.

Or

- Equivalent historical qualifications (as found in EAS Table 4B/4C) Electrotechnical Assessment Specification Guide August 2023.

Or

- ECS Gold Card, JIB Electrician or Approved Electrician Card.

The delegate is also required to have the following course materials:

- IET Code of Practice for Electrical Energy Storage Systems 3rd Edition.