Solar Design

Design grid-connected photovoltaic power supply systems

Course Description:

Our Solar Design Only course has been designed for licenced electricians to meet the requirements of the regulating body Clean Energy Council (CEC) for accreditation.

Design (UEERE0061 - Design grid-connected photovoltaic power supply systems):

For Licenced Electricians or Electrical Engineers with responsibility for designing grid-connected photovoltaic power supply systems. Designing grid-connected PV power supply system, following design briefs, utilising data/information from site survey to determine design requirements, ensuring safety and performance standards and functional requirements are met, documenting and obtaining approval for design, Install and commission photovoltaic (PV) power conversion equipment (PCE) to grid, Installing components in accordance with design, Placing and securing system components accurately, Making required circuit connections, testing and commissioning the installation and completing the necessary installation documentation.

Conduct Site Surveys (UEERE0054 - Conduct site survey for grid-connected photovoltaic and battery storage systems):

Safe work practices, Site inspection processes and procedures, Service provider responsibilities, Consulting with qualified people to assess client energy demand requirements, assessing grid-connected equipment options to meet client requirements and site conditions, Provision to give advice to clients on battery storage standards, codes of practices, government/utilities incentive schemes, and information related to the installation of a grid-connected photovoltaic and battery storage systems.

Pre-requisite Units for the UEERE0061 Unit:

UEERE0054 Conduct site survey for grid-connected photovoltaic and battery storage systems; **and**

UEEEL0039 Design, install and verify compliance and functionality of general electrical installations (an Unrestricted Australian Electrical Licence meets the requirements of this unit); **or**

UEERE0051 Apply electrical principles to renewable energy design

Duration and Mode of Delivery:

Students complete 2 days (Day 3 & 4 of full course) of theory and assessments training Face to Face or Live Web Trainer led to ensure that you understand content and submit assessments in a timely manner. Student do not attend the Solar Practical.

Course Accreditation:

This is a Nationally Recognised course with successful students receiving a statement of attainment with all the units listed below.

Course Inclusions:

Volt Edge will provide the following:

- Training and assessment course material
- Online student portal access

Each Student is to:

- Submit the required prerequisites (where applicable), prior to commencement of the course. If prerequisites are not provided prior to the commencement of the course, this may affect your eligibility to receive the outcomes.
- Have access to a stable internet and computer or laptop with Microsoft Office applications as required.
- Have basic computer skills to undertake and complete the assessments.
- Complete and submit the required assessment.
- Review and comply with the conditions detailed in the Student Handbook.

Unit of Competencies:

Unit Code	Unit Name
UEERE0061	Design grid-connected photovoltaic power supply systems

Ensure that you have the pre-requisites for this class.

To be eligible to receive an accredited outcome you need to hold all the current pre-requisites in accordance with training.gov.au and ensure that have reviewed the requirements from the Clean Energy Council (CEC) to gain your Accreditation. If you do not hold the pre-requisites you can attend the course for knowledge and a statement of completion (non-accredited)

To enrol into this training please view our website or contact our team at training@voltedge.com.au