

A background image showing several workers in safety gear (hard hats, high-visibility vests) working on a large array of photovoltaic solar panels on a roof. The sky is clear and blue.

Design and Install Grid Connected Photovoltaic Systems

Course Description:

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

Conduct Site Surveys:

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.

Design:

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.

Install - To grid and equipment:

Licence or permit to practice is required to carry out electrical installations, which are designed to operate at voltages greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c.), Install and commission a photovoltaic (PV) power system to power conversion equipment (PCE), Matching PV components specified for a given location, placing and securing system components accurately, making required circuit connections and completing the necessary installation documentation.



Duration and Mode of Delivery:

Students complete 5 days of theory training via Live Web Trainer Led to ensure that you understand content and submit assessments in a timely manner. A practical component is required.

To achieve this requirement, you need to select **one** of the following options:

1. Attending a Volt Edge Training Facility to complete the practical (two installs).
2. Complete onsite (at your workplace) installs observed and confirmed by a CEC Accredited Installer.
3. Completed previous installs onsite (at your workplace) being observed and confirmed by a CEC Accredited Installer. This option will require you to submit evidence of previous installs (instructions provided), which must be confirmed and declared (Stat Dec) by an CEC Accredited Installer (RPL type process).

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
- Practical facilities in our Northgate training Centre Brisbane QLD

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](#).

Units of Competencies:

Unit Code	Unit Name
UEERE0054	Conduct site survey for grid-connected photovoltaic and battery storage systems
UEERE0061	Design grid-connected photovoltaic power supply systems
UEERE0080	Install photovoltaic power conversion equipment to grid
UEERE0081	Install photovoltaic systems to power conversion equipment

To be eligible you need to be a licenced Electrician or 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.

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