



VOLT EDGE

RTO #32137
1300 761 366
VOLTEDGE.COM.AU

Solar Design

Design grid-connected photovoltaic power supply systems

Funded by CSQ (Construction Skills Queensland)

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

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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@voltage.com.au



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What is the CSQ (Construction Skills Queensland) Higher Qualification Building Program & Short Courses Building Funded Program?

Who are Construction Skills Queensland? Construction Skills Queensland is an independent, not-for-profit, industry-funded body supporting employers, workers, apprentices, trainees and career seekers in the building and construction industry. CSQ-funded training is delivered by a range of selected registered training organisations (RTOs) across Queensland.

Volt Edge are pleased to advise that we are one of the registered training providers that have been selected to offer the following programs:

UEE42622 Certificate IV in Hazardous Areas – Electrical

Delivered over 5 days face to face plus 5 units completed online self-paced

Students are expected to meet the eligibility requirements as per the [application form](#) (attached as reference only – do not email as you will be required to apply through our LMS System)

CSQ contributes towards the cost of the course thereby reducing the cost to participants and CSQ funding is paid directly to the contracted RTO, generally between 75% and 100% of course costs.

Payment is required prior to the course commencing – once enrolled an invoice will be automatically generated and sent to your requested email.

Courses commence from 1 August 2025 and students are required to complete the full qualification by 31 July 2027 or within 12 months of commencing the course (whichever is sooner).

Short Course Building Programs: Construction Skills Queensland offers funding for certain units of competency for some of our courses – Review the application form [here](#) for full details.

High Voltage Switching (full breakdown available on link above):

CSQ Funded Amount: \$1,600.00

Student Contribution Fee (Set by CSQ): \$0.00

Student Contribution Fee (Set by Volt Edge): \$300.00

TOTAL PAYABLE on enrolment: \$300.00

Qualified Technical Person – QTP (full breakdown available on link above):

CSQ Funded Amount: \$1,200.00

Student Contribution Fee (Set by CSQ): \$0.00

Student Contribution Fee (Set by Volt Edge): \$500.00

TOTAL PAYABLE on enrolment: \$300.00

Qualified Business Person – QBP (full breakdown available on link above):

CSQ Funded Amount: \$1,250.00

Student Contribution Fee (Set by CSQ): \$300.00

Student Contribution Fee (Set by Volt Edge): \$0.00

TOTAL PAYABLE on enrolment: \$300.00



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Solar Design and Install Grid Connected Photovoltaic Systems (full breakdown available on link above):

CSQ Funded Amount: \$1,200.00

Student Contribution Fee (Set by CSQ): \$450.00

Student Contribution Fee (Set by Volt Edge): \$750.00

TOTAL PAYABLE on enrolment: \$1,200.00

Solar Design Only (full breakdown available on link above):

CSQ Funded Amount: \$650.00

Student Contribution Fee (Set by CSQ): \$250.00

Student Contribution Fee (Set by Volt Edge): \$700.00

TOTAL PAYABLE on enrolment: \$950.00

Solar Battery (full breakdown available on link above):

CSQ Funded Amount: \$1,650.00

Student Contribution Fee (Set by CSQ): \$300.00

Student Contribution Fee (Set by Volt Edge): \$0.00

TOTAL PAYABLE on enrolment: \$300.00

Apply WHS Regs Codes Practices – UEECD0007 (full breakdown available on link above):

CSQ Funded Amount: \$250.00

Student Contribution Fee (Set by CSQ): \$0.00

Student Contribution Fee (Set by Volt Edge): \$0.00

TOTAL PAYABLE on enrolment: \$0.00

Are you Eligible to Participate?

Program is open to Eligible Queensland Building and Construction workers, who are no longer at school and are an Australian or New Zealand citizen, or Australian permanent resident (including humanitarian entrants), or a temporary resident, To be eligible, a participant must:

- have the right to work in Australia and
- be an eligible worker or
- unemployed eligible worker in the Queensland Building and Construction Industry and
- must meet all program eligibility requirements

An eligible worker is someone who is an employee or Self-employed worker, who can demonstrate primary and substantial direct involvement in the:

- Queensland Building and Construction Industry doing:
 - construction, significant renovations and extensions of, residential and commercial buildings
 - installation services for interiors of residential and commercial buildings in associated trades; electrical, plumbing, flooring etc.
 - works on a major infrastructure project
- Queensland Civil Construction industry doing:
 - land development and site preparation for the purpose of construction
 - works for civil infrastructure
 - works on a major infrastructure project



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