

COURSE OUTLINE – PV Grid Connect with storage

This course fulfills the requirement by the Clean Energy Council to gain battery storage accreditation. The course is also worth 60 points towards an accredited installers and/or designers Continuous Professional Development Points.

TRAINING:

The course covers the following nationally recognized units of competency:

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

UEERE0060 Design grid-connected battery storage systems

UEERE0077 Install battery storage equipment power conversion equipment to grid

UEERE0078 Install battery storage to power conversion equipment

The course covers the following topics and has a focus on current and emerging battery technologies:

- Topic 1 – Workplace Health & Safety
- Topic 2 – System Configurations
- Topic 3 – Battery Characteristics
- Topic 4 – Secondary Battery Technologies
- Topic 5 – Selecting & Sizing the Specified Loads
- Topic 6 – Selecting & Sizing Battery Storage
- Topic 7 – Sizing the PV Array
- Topic 8 – Solar Controllers
- Topic 9 - Selecting, Sizing and Programming Inverters
- Topic 10 – System Efficiency & Effect of Battery Storage on PV System Yield
- Topic 11 – System wiring
- Topic 12 – System Installation

WHO IS ELIGIBLE TO DO THIS COURSE:

- Electricians who hold a current Electrical Workers Licence (or equivalent) and who hold one of the following solar grid-connect qualifications:

UEERE0061 - Design grid-connected photovoltaic power supply systems

OR

UEERE0011 - Design grid-connected photovoltaic power supply systems

OR

UEENEK135A - Design grid connected photovoltaic power supply systems
and Hold CEC grid-connect accreditation



COURSE DURATION:

The course is delivered through a four day face-to-face workshop. During the workshop learners will work through simulated work situations and the Trainer will be on-hand to offer support and practical examples. The trainer will also go through a practical installation with the learners and complete an assessment with the Learner.

COURSE OUTCOMES:

There are two types of endorsement on the Grid-connect PV system Accreditation. Upon completion of the course Electricians who already hold accreditation may get either of the two endorsements or both.

We recommend learners visit the CEC accreditation website

<https://www.cleanenergycouncil.org.au/industry/installers/types-of-accreditation> to get a full understanding about accreditation.

ASSESSMENT: THEORY & PRACTICAL assessment over 4 days

COURSE FEE: \$2,500

CSQ SUBSIDISED COURSE FEE: \$984*

*As a Construction Skills Queensland (CSQ) registered training supplier, we provide training that is supported by CSQ funding. Most Electrical workers permanently employed in Queensland are eligible for CSQ funding. Contact our office on 0407 164 909 for further information or to check your eligibility complete the CSQ funding application on our website.

