

COURSE OUTLINE – PV Grid Connect with storage

This course fulfills the requirement by the Clean Energy Council for accredited installers and designers to gain the grid connect with storage endorsement on their Grid-connect PV system 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:

- UEERE4001 - Install, Maintain and Fault Find Battery Storage System
- UEERE5001 - Design Battery Storage Systems for Grid Connected Photovoltaic Systems

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 Queensland Electrical Work Licence (or equivalent) and who hold Install and Design Accreditation with the Clean Energy Council or have completed units of competency UEENEK135A and UEENEK148A.

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.



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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: **\$2,300**