

## **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 three 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.

