15 Years of Vocational Training Experience

- Career Oriented
- Affordable
- Nationally Recognised

COURSE BROCHURE

SOLAR GRID CONNECT
PV DESIGN + INSTALL
OVERVIEW
SOLAR GRID CONNECT PV DESIGN + INSTALL

**OVERVIEW**

- **OBJECTIVES**
  - To provide a pathway for electricians to be Accredited to Clean Energy Council for Grid Connected PV Design and Installation.
  - To design, install, configure, test and commission grid connected power supply systems

- **OUTCOME**
  - UEENEK125A - Solve basic problems in photovoltaic energy apparatus
  - UEENEK135A - Design grid connected power supply systems
  - UEENEK148A - Install, configure and commission grid-connected power supply systems

- **SCOPE**
  
  This competency based training program is delivered face-to-face theory and practical content delivery with a comprehensive notes, ongoing tutor support and a practical design and installation task.

  Statement of Attainment provides competencies to undertake design, install, configure, test and commission grid connected power supply systems to AS/NZS 5033:2014.


- **TARGET WORKFORCE**

  This course is designed and encourages electricians who have an electrician’s qualification, and wish to further improve their skills by gaining a qualification to design and install grid-connected photovoltaic systems

- **PREREQUISITES**

  To be awarded a Statement of Attainment, you must hold a current unrestricted electrical license issued by an Australian state or territory OR refer to the CEC for units which need to be completed in lieu of a license:


**COURSE DURATION**
4 to 5 Days

**COURSE COST**
$1,600

**LOCATION**
Training centers at Perth or at Client’s facility

Contact:
08 9317 2146
info@pmv.net.au
www.pmv.net.au
PATHWAYS:

1) If you are an Electrician with an unrestricted license we recommend you complete Design & Install Grid Connected Photovoltaic Systems:

- Unrestricted Electricians License + 4 days of intensive training
- Statement of Attainment for Design & Install Grid Connected Photovoltaic Systems
- Eligible for CEC Design & Install Grid Connected PV Systems Accreditation

Electrical apprentices may enrol in this course, however they will need to show they have completed the above units in their studies already OR wait till they are issued their unrestricted license before being awarded a Statement of Attainment.

Students will need to have access to the AS/NZS 5033:2014 standard to successfully complete this course (and for work in the field). This can be purchased from the SAI Global website and is available at some local libraries.

Delivered at one of PMV’s national training centre (Perth), or at a client’s facility

COURSE STRUCTURE

Blended delivery of 60% theory and 40% practical training what you are likely to see in a typical domestic roof top grid connected PV System.

- Face to Face flexible delivery and assessments allows students understands and discuss the vital knowledge prior to participating in the practical component.
- PMV tutors marks the assessments and provides feedback or additional technical information to the students.
- Intensive hands-on installation, fault finding and regulatory requirements experience.

You will undergo theory and hands-on practical training with qualified professional Electricians and Engineers who have been practicing in the PV Solar energy industry for over 30 years. The solar grid connect PV course covers the following topics:
1. Design grid connected power supply systems and select compatible components
2. Shading Analysis (Path Finder and Sun path diagram)
3. Install systems on different types of roofs
4. Installation of rails, modules and DC Isolator (de-energized) and finer points of installation

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5. Demonstration of pre-commissioning tests (Short circuit test, Insulation resistance test etc.)
6. Commissioning and Decommissioning a system
7. Fault-finding on a system

There is a written design project on the completion of face-to-face delivery and assessment

- Fast tracked course (4-5 Days Face to Face) to cater to student’s busy schedule.
- All our courses have been developed in consultation with the industry experts.
- Training is delivered and assessed by qualified professional Electricians and Engineers who have been practising in the renewable energy industry for over 30 years.

### Core Competency Standard Units
A Statement of Attainment will be awarded for the following Units of Competency:

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Description</th>
<th>Delivery Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>UEEENK125A</td>
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**Project Management Vision**

**Perth**
10/22 Shields Crescent Booragoon, WA 6154, Perth.
Tel: (08) 9317 2146 and (08) 9317 2147

**Brisbane**
Unit 14, 720 MacArthur Ave Central,
Pinkenba, QLD, 4008 Tel: (07) 3255 5952

**Adelaide**
1042 Port Road, Albert Park, SA, 5014
Tel: (08) 9317 2147

**info@pmv.net.au**
**www.pmv.net.au**