

COURSE INFORMATION

The Design and Installation of Grid Connected Photovoltaic (PV) Systems Training

This course is offered to people who want to be able to:

- Design Grid Connected PV systems that include solar PV modules, inverter and associated equipment.
- Install the above systems up to the inverter. (Note: the electrical connection between the inverter and loads can only be undertaken by licensed electricians).

The course is based on the manual: “Design and Installation of Grid Connected PV Systems”. To successfully complete the course, each participant must show that they are competent in all skills and tasks as defined by the Australian Business Council for Sustainable Energy (BCSE) Task Analysis 101 and 102. Note: Malaysia versions of these are being developed. A copy of these are provided in the course manual.

The assessment of the participant includes:

- Active participation in exercises conducted in the class during the 10 day training course.
- Active participation in the physical work conducted during the 10 day training course.
- Completion of assignments and exercises and must be submitted upon request by the trainers.
- Completion of a post examination assessment (PEA) to be submitted within one (1) week from the examination result.

To be awarded a certificate stating that you have successfully completed the design and installation course you must :

- Complete the assignments given
- Fully understand about the systems during the practical session
- Obtain a minimum mark of 70% in the examination
- If you do not get 100% in the open book examination, you have to obtain a minimum mark of 85% in the post examination assessment (PEA).

If you do not pass the examination you will be informed whether you need to undertake the course again or just sit the examination again in the future.

For the details of course fee and mode of payment, please refer to the Application Form.

Pre-requisites for Course Admittance

Pre-requisites for participants :

- i. Age above 21 years
- ii. At least holder of Diploma in Engineering in any discipline, or possess certificate in any Electrical Competency skills
- iii. Proficient in English and Mathematics

As a minimum all course participants should have the following skills;

- Some knowledge of safe work practices
- Mathematics for solving standard problems
- Reading for comprehending technical subject matter

All course participants must be able to read and understand English.

It is preferred that the participants already have knowledge and skills in:

- Electricity, electrical terms, and common formulae
- Working knowledge of tools and meters used in installation, and maintenance of electrical systems.
- Basic customer education and service practices

Although having these skills is preferred, the participants can learn these skills during the course or with extra work prior to attending the course.

If there are some potential participants that would like to attend the training and do not have these skills, the potential participants must discuss this with the organiser before this participant will be allowed to attend the course.

How is the course organised?

If you have responded to an advertised course then you must complete the attached application form and send it to the organiser (address on the form) and you will then be notified if successful in the application. The course date will be announced when 12 participants have registered for the course. If the training date is fine with you, you should make a payment to confirm your registration. During the course all lunches and morning/afternoon teas will be provided by the organiser.

Requirements of the Participant

Each participant shall bring:

- Notebook and/or paper for taking notes and doing exercises
- Pen
- Calculator
- To wear suitable attire and correct footwear for physical exercise

Note: *The participant can bring their own multi-meter and other tools if needed.*