

COURSE TITLE : Photovoltaics Principles & Materials

COURSE OVERVIEW

This course provides introduction to Photovoltaics (PV) with great emphasis on PV materials, principles and characteristics. The participants will undergo series of practical sessions to assist their learning and actual comparison of various type of PV can be made in term of its conversion efficiency, practicality and reliability.

COURSE OBJECTIVES

At the completion of this course, participants will be able to :

- Explain the characteristics, principles and constraints of various types of photovoltaic
- Compare the output power of various types of photovoltaic panels
- Connect PV modules according to PV system design.
- List the advantages and disadvantages of different type of photovoltaic.

THE UNIQUENESS OF THIS COURSE

- Practical training approach by using real PV power system
- Experienced and SEDA certified trainers in On Grid and Off Grid PV power system design.

WHO SHOULD ATTEND

This course is designed for those who would like to learn and understand the necessary requirement in installing PV power system.

TARGET GROUP

Anyone with keen interest to learn about PV.

KEY TOPICS

- Introduction to PV
- Basics of Solar Energy
- PV arrays
- PV Testing standards
- PV Data Sheet
- Site selection

METHODOLOGY

Consist of practical activities with real PV power system and lessons delivery is via demonstration, practical and discussions.

COURSE DURATION

3 Days

PRE-REQUISITE

Participants should have basic Electrical and Electronic knowledge and experience.

CERTIFICATION

Certificate of attendance will be issued to those who successfully completed the course.

Minimum participants: 5

CONTACT PERSON: Mr. Ravdarn Raman, 03-8921 9046 or 012-2656041 or email ravdarn@gmi.edu.my