



PV SOLAR SYSTEMS

Achieve Immediate Grid Parity with a Modern Solar Power System

29 & 30 APRIL 2025

SUNWAY LAGOON HOTEL

TRAINING PROGRAMME NO: 10001391188

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- Many solar power systems do not save energy, why?
- How you can save energy with a PV system?
- Is Net Metering/Feed in Tariff (FiT) cost effective?
- Why is a standalone PV system more efficient than a grid connected system?
- How do I calculate how much energy a solar panel will produce?
- If I buy a 100kW PV system how do I know how much energy it will produce?
- Why does the terminology for PV make no sense, example 1MW of PV can mean many different things and does not indicate the energy that can be produced.

COURSE OUTLINE

DAY 1

Overview and Introduction about PV System

PV Module Characteristics

Current PV implementation in Malaysia and around the world

Solar PV Performance and Comparison

Selection, ROI, Risk & Performance of Solar

DAY 2

Design & Installation of PV Systems

Operation & Maintenance of PV Systems

Standards of PV Systems

Interaction of PV System Components

PV Inverter and grid integration

Energy Storage

Case Study – Integration of PV System in Commercial Building/ Industrial Plants

Demonstration of standalone PV system

Future of PV System