



COURSE CONTENT

SEDA Malaysia Grid-Connected Photovoltaic (PV) Systems Design Course

- a. Fundamental of Solar PV Technology
 - Chapter 1: SAFETY PRACTICES
 - Chapter 2: BASIC ELECTRICITY
 - Chapter 3: INTRODUCTION TO PHOTOVOLTAIC SYSTEMS
 - Chapter 4: BASIC SOLAR ENGINEERING
 - Chapter 5: PHOTOVOLTAICS TECHNOLOGY
 - Chapter 6: MOUNTING SYSTEMS
 - Chapter 7: OTHER BALANCE OF SYSTEM COMPONENTS
 - Chapter 8: END OF LIFE ISSUES
 - Chapter 9: CONCEPTS IN LIGHTNING PROTECTION

- b. Design & Sizing of GCPV System
 - Chapter 1: GRID-CONNECTED PHOTOVOLTAIC SYSTEMS
 - Chapter 2: GRID INTERACTIVE INVERTER
 - Chapter 3: DIMENSIONING OF PV ARRAY
 - Chapter 4: SIZING WITH STRING OR CENTRAL INVERTER
 - Chapter 5: SIZING WITH MICRO-INVERTER
 - Chapter 6: SIZING WITH DC POWER OPTIMISER
 - Chapter 7: SYSTEM PERFORMANCE AND EVALUATION

