

# BATTERY ENERGY STORAGE SYSTEM: DESIGNING & COMMISSIONING OF GRID-CONNECTED PHOTOVOLTAICS

## OVERVIEW

The BESS technical training program is designed to equip professionals with the knowledge and skills required to design, install, operate, and maintain battery energy storage systems (BESS). The training provides a comprehensive understanding of BESS technology, its integration with renewable energy systems, and adherence to safety and regulatory standards.

## OBJECTIVE

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

- Ensure Safety in BESS: Handle and store systems safely, follow fire safety protocols, comply with regulations, and maintain systems effectively.
- Demonstrate Technical Proficiency: Showcase knowledge of technical specifications and ensure compatibility between GCPV components and BESS.
- Design and Size Systems: Develop and design efficient GCPV systems with BESS. Apply proper sizing techniques for both PV arrays and battery storage to meet specific energy demands.

## REGISTRATION



## COURSE INFORMATION

**Date** | 9 - 11 July 2025

**Time** | 9am - 5pm

### Course Fee

- RM3,780.00/pax (Non-MPIA members)
- RM 2,970.00/pax (MPIA members)

**Venue** | SHRDC, Shah Alam

**Duration** | 3 Days

**Facilitators** | Dr Sulaiman Shaari  
Dr Ahmad Maliki Omar  
Mustafa Kamal  
Lim Chai Seng

## TRAINING METHODOLOGY

Experiential learning, hands-on, structured activities

## TARGET AUDIENCE

- Electrical Engineers and Technicians
- Renewable Energy Professionals
- Project Managers
- Utility Company Staff