

Requirements for Installation and Commissioning of Grid-Tied PV System

Course Code: EPG07

COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Know the application of the photovoltaic (PV) system
- Understand the procedures in application, installation, inspection, testing and commissioning of the Grid-Tied PV System
- Understand the maintenance requirements of Grid-Tied PV System
- Gain knowledge of legislative requirements and Code of Practices applicable to Grid-Tied PV System

MAIN CONTENTS

- Application process for installation of Grid-Tied PV Systems in:
 - Licensed Installation
 - Unlicensed Installation
- Technical requirements (including both A.C. and D.C. wiring and connection) for installation
- Preparation of power quality (PQ) assessment of the Grid-Tied PV Systems and submission of PQ compliance report, documents and drawings, as required by SP PowerGrid
- Metering requirements for the new rooftop rental model and solar leasing model for consumers receiving 22kV supply
- Inspection, testing and commissioning of Grid-Tied PV Systems
- Demonstration through mock-up system of essential components, cabling and installation method
- Maintenance requirements
- Case studies

METHODOLOGY

Lecture and practical session [at Singapore Polytechnic]

TARGET AUDIENCE

Engineers, Engineering Consultants, Facilities Management Staff, Building Owners, Licensed Electrical Workers (LEW), Professional Engineers, Operational Staff, Green Mark Professional & Researchers

COURSE DETAILS

Duration	:	21 hours
Mode of Delivery	:	Face-to-face or Blended (Face-to-Face and Synchronous E-learning)
Certification	:	SIPG Certificate of Completion
PDU by PE Board	:	13
Additional Requirement/s	:	NIL

COURSE FEES

Full Course Fee	:	S\$1,925 (before GST)
For Singapore Citizens/PR/LTVP+*	:	Not applicable
For Singapore Citizens (40 years old and above)	:	Not applicable

ADDITIONAL REMARKS

- Trainee must attain at least 75% attendance rate and pass the assessment to receive Certificate of Completion and funding grant (if applicable).
- Subsidy of up to 70% is applicable for Singapore Citizens, Permanent Residents or Long-Term Visitor Pass Plus (LTVP+) Holders, subject to funding agency's approval.
- Enhanced subsidy of up to 90% is applicable for Singapore Citizens aged 40 years and above, subject to funding agency's approval. Note that GST payable will be computed from fee after 70% funding.
- Professional Development Unit (PDU) is applicable for Professional Engineers registered under the Professional Engineers (PE) Board only.
- All published fees are subject to prevailing GST.

CONTACT US

For more information, please contact SIPG at +65 6916 7930 or email training-institute@spgroup.com.sg.

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