

Grid Connected PV Systems Design and Installation

DCRP Certified Online Training

Overview:

This course covers fundamental principles behind working of a grid-connected PV system, use of different components in the system, methodology of sizing these components to create a well-functioning system, and methodology of evaluating financial performance of the system.

The course also includes a description of procedures to conduct site surveys for system sizing and installation and performing commissioning and maintenance activities in accordance with international standards relating to grid-connected solar PV systems.

Target Audience: Engineers or technical professionals having good exposure to solar PV and project design/development

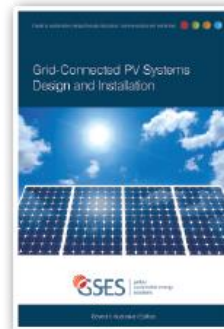
Contents:

- | | |
|--|--|
| ✚ Brief on different renewable energy sources | ✚ Site Assessments and planning |
| ✚ Overview of Grid connected PV (GCPV) systems | ✚ Solar Energy Generation Estimation |
| ✚ Solar radiation overview | ✚ Grid integration and cost benefit analysis |
| ✚ Solar PV Technology Overview | ✚ Permits, Clearances and Safety Aspects of GCPV systems |
| ✚ Grid connected Inverter & Balance of system overview | ✚ Designing of a Grid connected Rooftop PV system |
| ✚ PV Mounting Systems & Foundations | ✚ Demonstration at site through online remote access |
| | ✚ GCPV system installation & commissioning |
| | ✚ Overview of MW scale PV project |

Delivery methodology: Theory, Exercises & Assessments, Case studies, videos, survey checklists, live demonstration of site assessment software like Helioscope or Solar Lab.

Deliverables:

- ✚ Book on Grid Connected PV Systems Design and Installation
- ✚ Power point presentations, design tasks, energy yield exercises
- ✚ Course completion certificate.



Delivery Experience & Background:

- A consortium of Renewable Energy System Engineers, Trainers, Designers and Installers, collectively having over 80 years of knowledge, skill and experience as consultants, advisors and trainers in the clean energy environment.
- Trainers have authored and co-authored several books and training manuals on solar PV system design installation, maintenance and inspection.

Trainer:

Mechanical Engineer with over 25 years of experience, having Masters in Renewable Energy and a practitioner of Solar Energy Design and Implementation projects. Adept in hands-on implementation. Successfully delivered many Solar Energy training programs across the world.

For Registration: 99835738 / 98081304

Note: Candidates should connect using Laptop having stable internet connection