

REGISTER NOW!



PV Design Professional



PV Installation Professional

SOLAR ELECTRIC DESIGN & INSTALLATION

- This module provides an overview of the three basic PV system applications, primarily focusing on grid-direct systems.
- The goal of the course is to create a fundamental understanding of the core concepts necessary to work with all PV systems, including: system components, site analysis, PV module criteria, mounting solutions, safety, and commissioning. The course will also cover the basics of sizing a grid-direct system, wire sizing, overcurrent protection, and grounding.

ADVANCED PV SYSTEM DESIGN

This module focuses on commercial-scale system design though the design parameters, and best practices are applicable to all types and sizes of PV installations.

Detailed lessons address:

- Requirements for disconnects
- Overcurrent protection and wire sizing
- Interconnection requirements and calculations
- Grounding and ground faults
- Calculations for system sizing, inverter selection, and electrical configuration
- Ground and roof mounting
- Commissioning and performance analysis procedures

PV SYSTEM OPERATIONS & MAINTENANCE

This module is geared towards training senior PV technicians to safely and effectively perform operations and maintenance (O&M) tasks including inspections, commissioning, performance verification, and troubleshooting.

Likewise, those managing fleet operations and system data will find this course challenging and valuable. Candidates will become familiar with a wide range of advanced analytical tools meters, and techniques, such as:

- Insulation resistance testers,
- IV curve tracers,
- Infrared cameras

Candidates will also learn the advanced skills required to ensure PV systems operate safely and reliably

COURSE DATES AND DURATION

PV Design Professional

Solar Electric Design and Installation
5 days (40 hours)

Advanced PV System Design
3 days (24 hours)

PV Installation Professional

Solar Electric Design and Installation
5 days (40 hours)

Tools and Techniques for Operations
and Maintenance
3 days (24 hours)

GET YOUR SOLAR PV PROFESSIONAL CERTIFICATION



Step 1

Contact us on
[solartraining@
etihadesco.com](mailto:solartraining@etihadesco.com)
to register for
the course



Step 2

Attend the
course



Step 3

Complete the
final exam (with
a passing score
greater than 70%):
The 2 hour exam
includes sixty
multiple choice
and fill in the
blank questions



Step 3

Obtain your solar
certification!



الانسان
Etihad
لخدمات الطاقة
Energy Services

About Etihad: Etihad ESCO is a DEWA venture, established in 2013 to make Dubai built environment a leading example of energy efficiency for the region and the world. As a Super ESCO it enables the energy performance contracting market in Dubai by developing energy efficiency projects targeting more than 30,000 buildings by 2030



SOLAR ENERGY
INTERNATIONAL
Educate. Engage. Empower.

About Solar Energy International: For nearly thirty years, Solar Energy International (SEI) has been dedicated to hands-on labs, online solar photovoltaic training, and renewable energy education. SEI's mission is to provide industry-leading technical training and expertise in renewable energy to empower people, communities, and businesses worldwide. With over 70,000 alumni worldwide and named the 2015 IREC Accredited Clean Energy Training Provider of the Year, SEI is the leader in renewable energy education.