

ADVANCED SOLAR PV ONLINE

Credit Hours: 40

Our 40-hour Advanced Solar PV Online Training course covers a wide range of topics, including current industry standards for photovoltaic system design and installation best practices. The Advanced Solar Panel Installation training teaches individuals how to integrate solar PV modules, design installations and components, and how to properly tie a system to the grid. This course is often taught by highly qualified professional NABCEP Certified Installers and ISPO Independent Master Certified Solar Instructors and will prepare participants for their NABCEP Solar Certification.



Advanced Solar PV training prepares participants for the NABCEP PV Installer Certification exam. As the solar industry continues to grow, employers and customers are beginning to expect NABCEP Certification for installers. Participants in this course will have the opportunity to gain the advanced knowledge needed to stand out as an experienced and qualified photovoltaic installer, business owner, project manager or system design engineer. This course is ideal for roofers, electricians, contractors and builders with experience in solar PV installation who want to qualify for the NABCEP PV Installer Exam.

This course provides 40 credit hours of advanced solar training towards fulfilling the education requirement necessary to sit for the NABCEP PV Installer Certification

Advanced Solar Photovoltaic Online Training Subjects & Topics

Solar Photovoltaic Systems

- Types of systems; advantages and disadvantages
- System components & configurations
- Backup system types & integration
- Grid-interactive system inverters, features, functions, & specifications
- Calculations (with & without backup components)
- Safety issues, procedures, & OSHA regulations
- Site survey and analysis

Solar Photovoltaic Design

- System design drawings
- Feasibility reports
- System mechanical and electrical specification calculations
- Residential load demands

- Supporting documents for utility companies and other regulatory agencies to approve grid inter-connection
- Documents required for bids & building department reviews
- Construction administration as related to solar energy system installation
- Mounting systems used in residential installations
- Design documents utilizing more than one mounting methodology
- NEC and firefighter safety requirements related to residential photovoltaic systems
- Documentation required by OSHA regulations regarding solar photovoltaic system installations

Advanced Solar Photovoltaic Training Online Schedule

Module 1	Module 2	Module 3	Module 4	Module 5
System Design Drawings	Documents for Approval of Grid Inter-Connection	Residential Load Demands	Mounting Systems	Safety Requirements Review & Documentation
Feasibility Reports		System Requirement Calculations		
Mechanical & Electrical Specification	Documents Required for Bids and Building Department Review	Relevant Construction Administration	Utilizing Multiple Mounting Methodologies	System Install Regulations
Create Design Documents				