



Advanced Online Solar PV Systems & NABCEP Certification Exam Prep

60 Advanced Training Hours | \$695

This course focuses on building problem-solving expertise applicable to the NABCEP PV Installation Professional certification exam as well as the design and installation of PV systems. The course has 78 videos of lectures and problem solutions. The course has more than 200 exam problems. Also included is ImagineSolar's guide for how to study the National Electrical Code for PV systems. Plus, the course includes strategies for preparing and taking the NABCEP Certification exam.

Who takes our course?

- Entrepreneurs, Technologists, and Investors
- Contractors and Builders
- Experienced Solar Professionals
- Project Developers and Financiers
- Technical Sales & Marketing Professionals
- Electricians and Inspectors
- Engineers and Architects
- Solar Company Employees
- Aspiring Solar Industry Professionals

Online Campus and Course Benefits

- 12 months all-access pass to the online courses
- Live instructor support as you take the courses
- Online LIVE streaming sessions with the instructors
- 24-hour access to our online campus allows for flexible schedules
- Satisfies all the solar training requirements to apply for the NABCEP PV Installation Professional Certification Exam



Topics and Lessons

- Verify System Design
- The 2017 National Electrical Code (NEC)
- Solar Resource and Shading Considerations
- Solar PV Trigonometry
- Inverter Specifications, Sizing, and Clipping
- Ungrounded PV and Non-isolated Inverters
- Conductor Sizing for PV
- Temperature Effects on Voltage
- Design Exercises
- Expedited Permitting Process for PV Systems
- Managing the Project
- Working Safely with PV Systems
- PV Installs in Neighborhoods with Homeowner Associations
- Installing Electrical Components
- Grounding and Bonding
- PV Subpanels and DC Circuits in Buildings
- Conduit and Raceways
- Installing Mechanical Components
- International Fire Code for PV Systems
- Completing System Installation
- Field Inspection Guidelines
- Conducting Maintenance and Troubleshooting Activities
- Utility and Large Commercial Systems
- NABCEP Case Study Examples
- Problem & Solution Set from the NABCEP Resource Guide
- Eight Additional Sets of Problems & Solutions
- Practice Exam