

Solar Systems and Safety

1 Day, 0.7 CEUs

This course will review some of the specific hazards and safety concerns associated with solar PV systems. The major components and commonly found install types for a PV system will be established so that we can explore the safety concerns with each system. Concerns regarding installation, commissioning, troubleshooting, operation, and maintenance will be discussed.

Lab and Classroom Attire

AVO is committed to the personal safety of each participant and requires safety glasses, long pants, and ANSI rated “safety-toe” work shoes for lab activities. Lecture courses may involve a tour of a work or shop area and for this reason open-toe shoes and shorts are not considered appropriate attire for the classroom.

Learning Objectives

To receive 0.7 CEUs, participants must attend 1 day of class (7 contact hours) and attain a minimum average grade of 80% on the final exam. Upon completion of this course the participants will demonstrate that they are able to:

- Identify the safety hazards associated with typical PV systems.
- Outline basic tools and techniques to mitigate PV safety hazards.

SCOPE

Day 1* (7 contact hours)

- I. Introduction
- II. Locations
 - A. Sloped roofs
 - B. Flat roofs
 - C. carport
 - D. Ground mount
 - E. Pole top
- III. Typical Components
 - A. Major
 - B. Accessory

- IV. Typical Applications
 - A. Customer
 - B. Use Cases
- V. Hazards in a Typical Installation
 - A. Power sources
 - B. Disconnects
 - C. Fall hazards
 - D. Additional site hazards
- VI. Special Tools
 - A. Tools
 - B. Common Practices

- VII. Additional Resources
- VIII. Conclusion
 - A. Review
 - B. Exam

*Class scheduling times may vary based on discussions and size of class

AVO Training Institute is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue IACET CEUs

EQUIPMENT LIST

SSS

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COURSE #604
1 day

BY: I. Baraybar

TEXT

1 / STUDENT AVO Course book – Solar Systems and Safety, September 2022