Solar Systems and the 2020 NEC

2 Days, 1.4 CEUs

This course offers a review of the critical requirements for the proper installation of solar systems by the NEC and focuses on the significant changes that have been made in the 2020 version.

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 1.4 CEUs, participants must attend 2 days of class (14 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:

- Explain the requirements to properly install and ground photovoltaic systems per the 2020 NEC.
- Calculate maximum system voltage for proper sizing of conductors and overcurrent protection.
- Recognize disconnecting and labeling requirements for photovoltaic equipment and power sources.
- Select allowable wiring methods and connectors.
- Identify system labeling and identification when working with one or more power sources.

SCOPE

Day 1* (7 contact hours)

I. Introduction (0.5 hr)

II. Article 690 Revisions (2020) and General Code Requirements

III. Circuit Requirements

IV. Disconnecting Means

V. Wiring Methods

Day 2 (7 contact hours)

VI. Grounding

VII. Markings

VIII. Connections to Other Sources and Battery Storage

IX. Interconnected Electric Power Production Source

X. 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
SSNEC

REVISED: August 2022 BY: I. Baraybar
COURSE #603
2 days

TEXT
1 / STUDENT AVO Course book – Solar Systems and the 2020 NEC, August 2022

FOR VIRTUAL CLASSES:
CONTENT MATERIAL WILL BE PROVIDED IN DIGITAL FORMAT | 09.14.22