

UL 891

Standards for Safety

Switchboards

The training for UL 891 or Deadfront Switchboards will allow the student to navigate the standard to understand what a listed cabinet is, what testing is required, what constitutes a modified cabinet, what they will do when modified, and any field testing that will be required, and what to expect.

Target Audience:

- Solar shops
- OEMs
- Electrical outfits
- Building maintenance
- General Contractors

Outline

1. Scope
2. Electrical Assemblies
 - a. Ratings
 - b. SCCR

- c. Peak withstand
 - d. Conditional short circuit current
 - e. Fuse Short Circuit Current
- 3. Name Plates and Markings
- 4. Service Conditions
- 5. Design Construction
 - a. Mechanical
 - b. Degree
 - c. Temperature rise
 - d. Protection against electrical shock
 - e. Barrier
- 6. Tests
 - a. Classification
 - b. Type
 - c. Routine
- 7. Tables
- 8. Examples of SCCR
- 9. Torque
- 10. Annex G
 - a. Supports and Bracing
 - b. Marking

Objectives

1. Learn to navigate the UL 891
2. Definitions of the verbiage in the Standard
3. Able to understand current markings
4. Able to understand bracing
5. Able to understand testing required

6. Able to understand Service Conditions

7. Able to understand Classifications for environments