PROFESSIONAL DEVELOPMENT SEMINAR SERIES

GPS-150 GENERATOR UL LISTING & NFPA STANDARDS COURSE DESCRIPTION

Class Length: 2 Hours	**CEUs:** 0.2	**PDHs:** 2.0

Course Purpose

This seminar introduces Underwriters Laboratories (UL) standards and the impact of those standards for standby power generation, including the engine-generator set and transfer switch. Specific NFPA standards will be discussed along with application/installation details for healthcare, life safety, and fire pumps.

Completion of this module entitles the participant to 2 Professional Development Hours (PDH) accredited by the Milwaukee School of Engineering. If the student attends 5 Generac Power Systems Professional Development Seminar Series modules and completes the final assessments, the student will earn 1 Continuing Education Unit (CEU) and/or 10 PDH.

Course Objectives

Upon completion of this seminar, participants will be familiar with the UL Listings and NFPA standards relative to the installation and operation of standby generators. Specifically, they will be able to:

- List and describe the specific UL Listings relative to generators, switching equipment and fuel tanks.
- Explain the elements of system testing as described in UL 2200.
- Describe and explain the appropriate use of UL Listing labels.
- List and describe the specific NFPA Standards relative to generator applications, installations and operation.
- Describe key fuel-related factors including reliability, storage tanks and piping.
- List and describe critical factors relative to generator exhaust systems.
- Explain failure and redundancy considerations as described in NFPA 110.
- Identify and describe NFPA 110 construction practices relative to integrating generators into buildings.
- List and describe the controller elements required for NFPA 110 compliancy.
- List and describe the key factors affecting generator starting.
- Describe generator testing and maintenance requirements according to NFPA 110.
- Describe generator performance specifications according to NFPA 110.
- Explain generator performance requirements relative to fire pumps.

Topical Outline

- UL Listing
- NFPA Standards

Who Should Attend

Practicing Design Engineers, Sales Engineers and Consulting Engineers involved in supplying standby power to Commercial, Industrial, Municipal and Healthcare facilities.

Prerequisites

None, however module sequence is recommended.

Difficulty Level

Intermediate

Be sure to sign up for each of the Professional Development Seminars:

GPS-100 Generator Sizing
GPS-110 Generator Switching
GPS-120 Paralleling Concepts & Implementation
GPS-130 Understanding Generator Reliability
GPS-140 *National Electrical Code (NEC)*
GPS-150 Generator UL Listing & NFPA Standards
GPS-160 Generator Provisioning & Installation
GPS-170 Engines: Terminology, Fuel Selection, and Power Technologies
GPS-180 Alternators & Generator Controls
GPS-190 Specifications for Engine Generator Sets & Transfer Switches

For more information or to register for a seminar, contact your local Generac dealer.

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