PROFESSIONAL DEVELOPMENT SEMINAR SERIES

GPS-100 GENERATOR SIZING COURSE DESCRIPTION

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

Course Purpose

This course presents methods and calculations for proper sizing of generators. Participants will explore the alternator's and engine's response to different types of loads while investigating different techniques to optimize the generator's performance. 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, the student will earn 1 Continuing Education Unit (CEU) and/or 10 PDH.

Course Objectives

Upon completion of this module, participants will be able to incorporate and utilize:

- Methods for proper sizing of generators.
- Calculations for proper sizing of generators.
- Responses to different types of loads.
- Different techniques to optimize generator performance.

Topical Outline

- Sizing Building Loads
- Load Types
- Motor Starts
- Rules of Thumb
- Electronic Soft Starters
- Sizing Soft Starters
- Non-Linear Loads

Who Should Attend

Practicing Design, Sales 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 Electric Code (NEC)
GPS-150 Generator UL Listing & NFPA Standards
GPS-160 Generator Provisioning & Installation
GPS-170 Engines & Emissions
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 below:

GENERAC® MSOE

Bulletin GPS1006000 rev a. / Printed in USA 10.06, rev. 07.09