G574e – Cabinet Design Principles – Internet course

Installation of DC drive converters in a cabinet

Course Type

Internet course

Course Duration

The course duration is approximately 1 day depending on personal background knowledge and study pace.

Course Goal

The goal of this course is to teach students the basics of principle cabinet design for DC drives.

The training covers the following topics:

- Safety in a cabinet
- Cabinet cooling
- EMC and grounding
- Testing and documentation

Student Profile

This course is intended for system integrators who have to plan a cabinet with a DC converter.

Prerequisites

- Experience in using a computer and Internet browser. The recommended browser is Microsoft Internet Explorer version 5.0 or later.
- An Internet connection

Description

This course includes self-study material, self-assessment questions and interactive exercises.

Course Objectives

Upon completion of this course, students will be able to:

- Design a cabinet for DC drive converters

Main Topics

- Safety in a cabinet design
- Serviceability and friendliness
- Requirement of the right enclosure class
- Cooling of a cabinet
- EMC
- Correct grounding
- Available documents and tools for cabinet assembly
- Testing of an enclosure cabinet
- Test documents

Course Specifications