

Batteries and Uninterruptable Power Supplies

OEM: Rockwell Automation • Duration: 1 Day (8 hrs) • Code: EMS-225

COURSE MODULES & TOPICS

Objectives

- Identify the types of batteries
- Describe the construction and operation of various batteries
- Identify industry and government standards for maintenance, testing, replacement, sizing, and installation of lead-acid batteries
- Identify federal regulations governing lead-acid battery disposal
- Describe the construction and operation of a UPS* Describe the function and operation of a transfer switch
- Inspect a UPS system
- Analyze battery charge and discharge rate to determine if replacement is needed

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course

Course Agenda

Day 1

- Defining Battery Characteristics
- Distinguishing Primary and Secondary Batteries
- Listing Types Of Lead-Acid Batteries
- Interpreting Battery System Terminology
- Following Standards and Code Requirements
- Listing Battery Applications
- Applying Charging and Discharging Methods
- Using "Maintenance-Free" Batteries
- Recognizing Overcharging
- Preventing Thermal Runaway
- Construction and Operation of a UPS
- Construction and Operation of a Transfer Switch
- Review
- Written Exam

Ready to talk to a Training Enrollment Specialist?

- [Social Media Cookies](#)
- [Functional Cookies](#)
- [Performance Cookies](#)
- [Marketing Cookies](#)
- [All Cookies](#)