



2020 TRAINING

UPS SYSTEM & STATIONARY BATTERY TRAINING

The AMETEK Solidstate Controls client services department leads various technical training classes and seminars throughout the year. During training you will learn about industrial Uninterruptible Power Supply (UPS) systems and battery systems, see how they work, learn troubleshooting tips, monitoring and routine maintenance. Our experienced instructors provide hands-on and real-world learning so that you can have the knowledge and confidence to work on your UPS system.



WHO SHOULD ATTEND?

- **Maintenance Technicians**
Plant personnel responsible for maintaining the systems will gain in-depth knowledge of UPS systems.
- **Maintenance Supervisors**
With a thorough knowledge of the systems, supervisors will be better able to schedule routine maintenance and determine manpower requirements.
- **Plant Engineers**
Plant engineers will be prepared to make educated decisions when specifying and installing new equipment.
- **Operators**
Operators will gain confidence in operating the equipment and be able to make sound decisions when presented with alarm conditions.

MEET THE INSTRUCTORS

Our instructors are senior level support engineers and consultants that will provide information taken from years of field experience. Participants will solve problems based on the instructors' personal case studies. Demonstrations and workshops will use scaled-down systems as part of the presentations. Proper use of test equipment will be demonstrated to aid in troubleshooting.

“Instructor was very knowledgeable of the subject and delivered the material in an easy to understand manner.”

COURSE OVERVIEW

UPS Training

Gain a better understanding of how industrial UPS systems work and how to maintain them. Our training classes include:

- UPS Introduction and Component Basics
- Preventative Maintenance
- Detailed Principles of Operations
- Failed Component Identification
- Tips and Techniques for Troubleshooting
- Practical Hands-on-Labs

Stationary Battery Training

Our battery lab provides practical hands-on training. In these training sessions, our staff will cover a wide array of topics. They will include, but are not limited to:

- Battery Introduction and fundamentals
- Battery safety
- Battery installation and maintenance
- Troubleshooting Tips and Techniques
- Load testing
- Basics of Internal Ohmic Testing

DATES & REGISTRATION

We offer multiple week-long¹ options throughout the year, including two courses in Spanish, at two state-of-the-art facilities. The cost of the five day training course for a new student is \$2,900 or \$2,300 for the refresher course. All fees include registration, course materials, continental breakfast, lunch and snacks. Participants will receive 2.7 Continued Education Units upon completion. Students are given time throughout the week to have individual consulting time with our instructors. All participants must be enrolled at least 10 days prior to the seminar date. To register for a course please call us at **614-846-7500** or send an email to **tech.training@ametek.com**.

¹The final day is an optional half day of lab exercises. Attendance is optional to meet travel needs.

*Due to the preparatory nature of our courses, and how they are catered specifically towards your equipment, AMETEK Solidstate Controls reserves the right to charge a fee of 50% of the course cost for cancellations within 14 days of the scheduled seminar. However, future enrollment may be reduced by this cost. Please contact us for details. Travel and living expenses are not covered for the attendees.

2020 TRAINING DATES

Houston, Texas²

Our flagship training facility features two classrooms with state-of-the-art interactive projectors, climate-controlled UPS system lab and a cutting-edge battery lab. Our UPS system lab can simulate a variety of faults and malfunctions so you can see real-world problems and how to troubleshoot and fix them.

March 9-13

Digital Process Power UPS or Ferroresonant UPS & Stationary Battery

May 11-15

Digital Process Power UPS or Ferroresonant UPS & Stationary Battery

July 13-17

Digital Process Power UPS or Ferroresonant UPS & Stationary Battery

September 21-25

Digital Process Power UPS or Ferroresonant UPS & Stationary Battery

November 2-6

Digital Process Power UPS or Ferroresonant UPS & Stationary Battery

December 7-11

Nuclear Training

San Diego, California²

We designed this facility for UPS and battery training through the high-tech classroom and state-of-the-art practical lab. Our lab features numerous UPS systems that are fitted with common faults to provide an interactive, hands-on learning experience.

February 10-14

Ferroresonant UPS & Stationary Battery

April 20-24

Digital Process PowerUPS & Stationary Battery

June 8-12

Ferroresonant UPS & Stationary Battery

August 10-14

Digital Process PowerUPS & Stationary Battery

October 12-16

Digital Process Power UPS & Stationary Battery

November 16-20

Ferroresonant UPS & Stationary Battery

²Please note the schedule is subject to change. Please visit our website or call 614-846-7500 to confirm dates.

ON-SITE TRAINING

We understand it's not always possible to get away from your day-to-day operations to attend training or maybe you're looking for more specialized training specific to your equipment. We're always willing to help you find the perfect solution for your training needs and would be happy to provide a quote to send our training experts to your facility. Through this program we can include a rental UPS that allows faults to be inserted so your employees receive hands-on education without jeopardizing your plant operations. Please contact us for more details or to receive a quote.

INDEPENDENT BATTERY COURSES

We offer three independent battery courses as an extension to our UPS and Stationary Battery Training. These sessions are offered based on our clients' needs and are best taken at the battery lab in Houston.

Battery Capacity Testing Workshop | **1 DAY** TRAINING

BCT-2000 System Hardware

- Personal Computer Interface
- Data Logger Continuous Load Units
- Sense Lead Sets
- System Overview
- Personal Computer Interface

BCT-2000 System Software

- Overview
- Selecting the Com Port
- Types of tests to perform
- Setting Up a Test
- Performing a Test
- Generating a Report
- Analyzing Test Results
- Saving a Report

Hands-On

- Hardware Review
- Interconnection and Test Preparation
- Connecting the BCT to the Battery
- Load Bank Connection
- Running a Test
- Data Review and Analysis

“Don has a great amount of knowledge on the subject and it shows. Good hands on exercises and troubleshooting. Very excellent training.”

HOUSTON, TEXAS
4100 Greenbriar Dr. Suite 115
Stafford, TX 77477

SAN DIEGO, CALIFORNIA
5909 Sea Lion Pl. Suite E
Carlsbad, CA 92010

WORLD HEADQUARTERS
875 Dearborn Drive
Columbus, Ohio 43085
Phone: +1-614-846-7500
Toll Free: +1-800-635-7300
Fax: +1-614-885-3990

WEBSITE
www.solidstatecontrolsinc.com

EMAIL
tech.training@ametek.com



AMETEK®
SOLIDSTATE CONTROLS

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THE PURPOSE OF OUR BUSINESS IS TO PROVIDE CONTINUITY OF ELECTRICAL POWER TO KEEP BUSINESSES IN BUSINESS.

WE DO THIS BY HELPING CLIENTS SOLVE THEIR POWER PROBLEMS AND BY CREATING THE MOST ECONOMICAL LONG-TERM RESULTS.