



UNIPOWER, LLC.

## **Battery 101 Training**

Holiday Inn Express  
9933 Mayland Drive  
Richmond, VA 23233  
804-934-9300

One-Day Same Seminar - May 23 and 24, 2017 9:00am – 4:00pm

Registration/Continental Breakfast – 8:30am

Free Admission – Lunch will be provided

### **Who should attend:**

- Power professionals who size, specify, install, maintain, test, sell and operate lead acid batteries and chargers.
- Certificate of completion with CEU credits and training material will be handed out upon course completion.

### **Topics:**

- Basic Lead-Acid Batteries
  - VLA (Flooded) vs. VRLA
  - Battery components, types of alloy
  - Discharging and recharging
  - Battery aging
  - Application differences
  - Battery ratings, sizing and selection, etc.
  - Battery specification writing
  - How to choose the right battery for your application
- Manufacturing Processes (How manufacturing processes make the difference?)
- Battery sizing examples (constant current, constant power, step load, flooded rack selection)
- Battery testing, monitoring, installation, operations and maintenance
- Web based information (where to find online resources)
- Types of charging (float, recharge, equalize)
- Battery chargers (charger basics, charging techniques, different technologies, installation, operations, maintenance and sizing)
- Battery failure modes and maintenance (recommended operating parameters, factors affecting battery performance and life, capacity testing, maintenance practices)
- Battery troubleshooting and replacement
- Battery room safety, spill containment and compliance
- NERC compliance
- Power Plants
- Power Distribution

### **Cost:**

There is no course fee to the participants for the training program. Continental breakfast and lunch will be provided.

### **Registration:**

Enrollment is limited to 25 individuals, on a first-come-first-served basis. This is a hard capacity and there will be no exceptions. The objective of this program is to assist our customers directly. In order to broaden the participation base, there will be a limit of two attendees per company. If you can organize 12 or more people from your region, C&D will offer a dedicated training session.

Please confirm your plans to attend by submitting the attached RSVP to Kathy Enos via email at [kenos@rwchapman.com](mailto:kenos@rwchapman.com) or fax at 704-523-4708. Kathy can also be contacted at 704-602-8225 should you have any questions.

**RSVP FORM**  
**DC Technology – Battery 101 Training**  
**Holiday Inn Express – Richmond, VA**

**I Will Attend May 23, 2017** \_\_\_\_\_

**I Will Attend May 24, 2017** \_\_\_\_\_

NAME

COMPANY

MAILING ADDRESS

CITY, ST, ZIP

TELEPHONE

EMAIL

DIETARY RESTRICTIONS

SEND COMPLETED FORM TO KATHY ENOS:

FAX: 704-523-4708

EMAIL: [kenos@rwchapman.com](mailto:kenos@rwchapman.com)

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