

Battery Maintenance & Inspection

The Battery Maintenance & Inspection Program from Solidstate Controls, Inc. includes battery inspection, periodic maintenance, removal, and replacement of batteries. All work is done in accordance with applicable IEEE standards, and battery manufacturers' requirements. Inspections are performed monthly, quarterly, and annually.

Battery load testing is also an essential part of battery maintenance. Periodic load testing is a very valuable tool in determining the overall health and state of the battery. A controlled load test can be performed to accurately determine the battery's condition, while at the same time insuring that the critical load is not dropped, by performing the discharge test during a planned shutdown. The value in doing a discharge test, inspection, maintenance and/or battery monitoring, is to gather critical data on the state of the battery system and take remedial action, if necessary, *before* a power outage when the battery is needed and most likely to fail.

S E R V I C E F E A T U R E S



- Acceptance testing of new battery systems
- Site survey to determine if proper ventilation and temperature is being maintained in the battery room
- Inspect battery connections, and the overall physical condition
- Check and record electrolyte levels (flooded cells only); top off levels if required
- Measure and record specific gravity (flooded cells only)
- Measure and record cell voltages and AC ripple voltages, where appropriate
- Measure and record temperatures: ambient as well as cell
- Compare recorded values with pre-established baseline values
- Battery load testing per appropriate IEEE procedures
- Make recommendations of corrective action, when appropriate