

## Stationary Battery Capacity Testing



### **Battery testing can protect your bottom line**

Compared to the costs of lost data or damaged equipment, battery capacity testing is very cost-effective. A key diagnostic tool for proper battery maintenance, SystemSafe<sup>SM</sup> Stationary Battery Capacity Testing can help you measure remaining battery life, plan for future purchases, gauge the effectiveness of your maintenance program, and more.

### **SystemSafe<sup>SM</sup> Stationary Battery Capacity Testing**

According to IEEE standards, capacity testing should be performed within two years of installation. Wet batteries should be tested every five years thereafter, while valve regulated lead acid (VRLA) batteries should be tested annually. Once battery capacity dips below 85% of the manufacturer's rating, replacement should be considered.

Our SystemSafe Stationary Battery Capacity Testing service can help you meet these recommendations and more. In accordance with IEEE standards, EnerSys<sup>®</sup> performs a complete battery inspection prior to capacity testing. This initial inspection provides individual measurements of each cell and connection prior to testing, allowing EnerSys to uncover and correct problems before they cause test failure. SystemSafe Stationary Battery Capacity Testing includes:

- 19-step Performance Test
- 15-step Acceptance Test
- 17-step Service Test
- Optional backup battery and recharge

### **Why EnerSys<sup>®</sup> for capacity testing?**

Our expertly trained technicians can monitor individual cell voltage and connection resistance. They use the most modern testing equipment and techniques, which are 15-20% more accurate than manually monitored equipment. If corrective actions are required, EnerSys can provide them.

## The EnerSys® Difference

In addition to meeting all IEEE capacity testing standards, EnerSys® SystemSafe<sup>SM</sup> Stationary Battery Capacity Testing services also feature:

- 90-day warranty on all parts and labor
- 7-day, 24-hour response coverage
- Toll-free 800 number for emergency service response

**Contact your local EnerSys® Service Center for more information on SystemSafe<sup>SM</sup> Stationary Battery Capacity Testing.**



At EnerSys, we've developed the industry's most comprehensive lead-acid battery recycling program.

Federal and state regulations require that lead-acid batteries be recycled. Our battery recycling program ensures that you are in full compliance with all EPA, DOT, and/or federal and state regulations. Our program is flexible enough to meet all of your logistical needs. For instance, we can pick up your spent lead-acid batteries, or you can deliver them to the nearest service center yourself. It's your choice. The EnerSys nationwide service organization can arrange pickup, transportation to, and recycling at any one of our company affiliated smelters. Call 1-800-972-7372 for more information.

**24 Hour Service or Repair, call:  
1-800-423-9602 (U.S.)**

## SystemSafe<sup>SM</sup> Stationary Battery Capacity Testing

Test Features	Performance Test	Acceptance Test	Service Test
Equalize charge battery for 72 hours prior to test	✓	✓	
Measure and record resistance and torque values	✓	✓	
Measure and record specific gravity readings (wet cells only)	✓	✓	✓
Measure and record pilot cell and ambient temperature	✓	✓	✓
Read and record battery terminal float voltage	✓	✓	✓
Assemble and connect load tester and monitor	✓	✓	✓
Connect cell sensing leads	✓	✓	✓
Calibrate monitoring unit	✓	✓	✓
Set up all test parameters in monitor unit	✓	✓	✓
Measure and record cell voltage readings via monitor	✓	✓	✓
Connect backup battery (optional)	✓		✓
Disconnect test battery	✓		✓
Connect load tester	✓	✓	✓
Run test for specified time and current	✓	✓	✓
Recharge battery to within 0.25 volts of float voltage (optional)	✓	✓	✓
Connect test battery	✓		✓
Remove backup battery (if applicable)	✓		✓
Disconnect cabling and equipment	✓	✓	✓
Submit report	✓	✓	✓



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