

# Battery Maintenance Services

## Flooded or Valve Regulated Lead Acid Batteries

### OUR TECHNOLOGY

Jantech utilizes 'best in class' test, measurement equipment and DC load banks from Fluke, Alber, and Biddle, as well as our own specialized equipment to conduct all vitally important tests, measurements and recordings as required by the Institute of Electrical and Electronics Engineers (IEEE) standards and as recommended by each individual Manufacturer.

### OUR PEOPLE

Jantech's staff of technicians and engineers have years of experience in testing and maintaining both flooded lead acid and VRLA battery banks utilized in UPS, telecom, utility, generator and switchgear applications.

### WHY JANTECH

Jantech has been in the business of maintaining power systems at mission critical facilities for over 25 years. Our knowledge of the complete power system from service entrance to low voltage distribution uniquely enables us to quickly identify performance issues with your emergency power battery system. Should the need occur Jantech will work with you on any required course of action needed to maintain the integrity of the battery system

Batteries are the heart of almost every emergency system and studies continue to show that the majority of failures in UPS systems are due to batteries. The costs associated with lost data or damaged critical load equipment can be staggering, especially when compared to the cost of preventive maintenance. The primary objective of a battery maintenance program is to ensure that the battery system is able to meet the emergency run time requirements for the critical system to which it is connected.

Effective maintenance must be regular, comprehensive and consistent; including visual inspections, voltage, resistance, (impedance) current and temperature measurements as well as capacity testing (when appropriate) to identify any performance related problems.



### Preventative programs\* available may include:

*\* Choose from Monthly/Quarterly/Semi-annual/Annual*

- Visual Inspections
- Impedance testing
- Voltage recording
- Specific gravity: recording/check electrolyte levels (flooded lead acid batteries)
- Check for unintentional battery grounds
- Load bank testing to verify proper operation of individual cells or blocks of cells
- Constant KW or predetermined sustained current load bank testing to determine battery system capacity

### Benefits include:

- Reduced disruption of services by identifying and replacing failing batteries
- Reduced volume of emergency service calls
- Reduced risk of catastrophic system failure

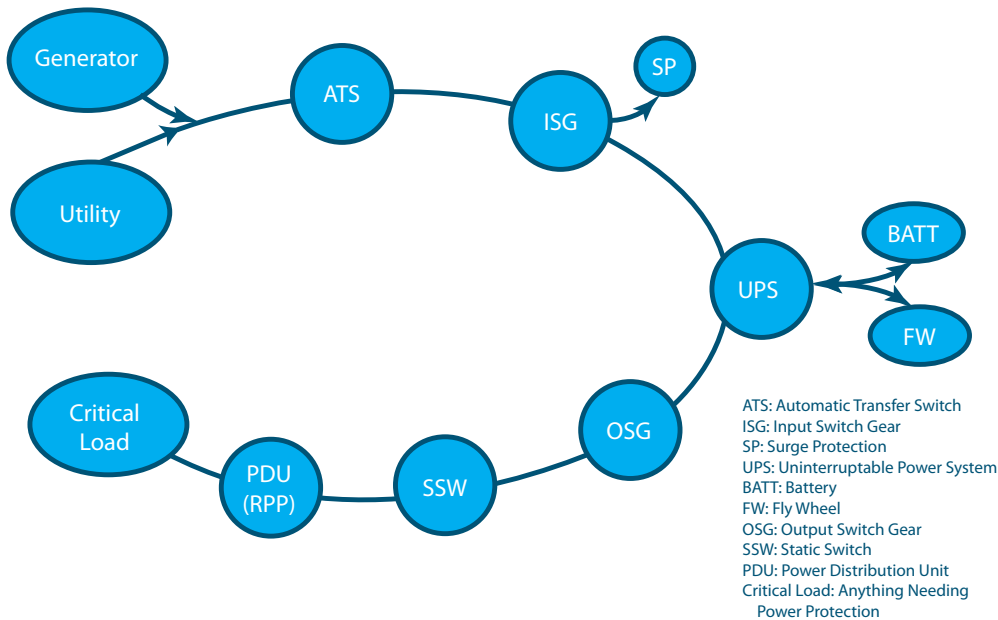


Jantech offers a variety of Battery Maintenance Programs that can be tailored to your specific battery type(s) and specific needs. Appropriate load banking testing can provide predictive failure analysis of the batteries.

- IEEE 450 Maintenance and Testing
- IEEE 1188 Maintenance and Testing
- Battery Removal and Disposal to an EPA approved facility, with all tracking documentation
- Battery Load Bank Testing
- Replacement VRLA battery systems including Installation
- Replacement flooded lead acid battery systems including installation
- Battery Disconnects
- Battery Monitoring Systems

**1-800-JANTECH**  
**www.jantechups.com**

**JANTECH SERVICES**



### REGIONAL HEADQUARTERS

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*\* Corporate Headquarters*

### SERVICES

UPS Maintenance  
 Battery Maintenance,  
 Installation & Disposal  
 Infrared Thermography  
 Load Bank Testing  
 (AC & DC)  
 Power Quality Audits  
 and Consulting  
 Site Acceptance Testing  
 Turnkey Installations  
 Emergency Call-outs

### PRODUCTS

New UPS  
 New Batteries  
 Refurbished UPS  
 Battery Monitoring  
 Surge Protection  
 PDU's/RPP's  
 Static Switches  
 Maintenance Bypass  
 Panels  
 Parts

**JANTECH SERVICES**