

AMETEK Solidstate Controls Service Solutions

Consultation and Evaluation Services

We offer expert advice worldwide for installations, upgrading or refurbishing existing equipment. We can help you plan your entire system criteria, from load profiles, to floor plans, to battery analysis. With unparalleled expertise and experience in the power protection business, there are few challenges that our engineers around the globe have not encountered. Our service engineers and consultants are 'total-service' providers for all your planning, maintenance, and installation needs, including:

- Total system integration
- Installation guidelines and compatibility
- Battery system analysis
- Physical layout - floor plan
- Fuse/circuit breaker coordination
- Custom designed equipment



Start-Up and Testing Services

Start-up services and acceptance testing of the equipment and battery is a critical step towards ensuring that your system provides you with many years of protection for your critical loads. A complete commissioning/acceptance test visit can consist of the following:

- Pre-inspection review with site personnel
- Verify all connections have been properly made
- Post commissioning review with site personnel
- IEEE Battery Testing (optional - additional charge)
- AC Load Testing (optional - additional charge)
- Battery and system functional testing
- Complete system and site inspection
- System operational testing
- Detailed report following completion of trip



Battery Monitoring and Services

Our CellRx battery monitor is compatible with virtually any industrial battery type and configuration. Whether you have 6 cells or 275 cells, CellRx ascertains the health of your battery systems 24/7. AC and DC UPS systems alike depend on battery power to support their critical loads and keep your processes running smoothly. Every situation is unique. That's why each CellRx system is custom designed to meet client specific application and requirements. All batteries have the capability to be monitored locally or remotely, utilizing advanced communication capabilities such as RS232, RS485/Modbus, and Ethernet. We also offer a full line of battery service options including IEEE Load Testing, battery replacement turnkey including removal, installation, disposal.

CellRx
Industrial Battery Monitor
The Battery's Choice



Training Services

AMETEK Solidstate Controls (SCI) operates a custom made training facility in our Houston service center. Classes are scheduled periodically throughout the year at this facility as well as other destinations in the U.S. and worldwide. Classes can also be held at the client's site tailored to fit individual needs and their equipment. Our classes are designed for practical maintenance needs for site personnel. Each training seminar is a carefully designed blend of theoretical and 'hands-on' instruction, covering a variety of topics, including:

- Theory of operation
- Identifying problems/troubleshooting
- Battery fundamentals and maintenance
- "UPS 101"
- Battery monitoring
- Maintenance Procedures



Preventive and Predictive Maintenance Services

SCI's Preventive and Predictive Maintenance Services (PPM) is custom designed to all clients to keep their battery chargers, inverter, UPS system and other products supplied by SCI, in the best operational condition possible. A regular PPM will minimize downtime caused by:

- Dirt or corroded components
- Damaged due to adverse environmental conditions
- Improper alignment of circuit boards and/or assemblies
- Other identified problem areas
- Components with excess wear
- Components reaching the end of their life



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Service Features

- Pre-Inspection Interview
- System Cleaning
- System Inspection
- Connectivity Verification
- Scheduled Component Replacement*
- Post-Inspection Interviews
- System Battery Functional Testing***
- System Functional Testing**
- System Operational Testing



System Battery Functional Testing

Battery Maintenance is limited to visual inspection, VPC/VPB readings, and intercell connection tightness. Where possible, to ensure proper operation of the systems under transfer of the load to battery, after permission from the client is obtained, the battery charger supplying the UPS will be interrupted or lowered in output voltage to cause the system to operate from the batteries. The system will be returned to a normal operational adjusted as necessary to return them to their desired values. In addition, we offer AC Load Testing for complete system with a “dummy” load bank or Battery Testing per IEEE Standards. **System battery functional testing should not be used in lieu of dedicated maintenance and inspection testing of the battery system as outlined elsewhere and/or battery manufacturer’s installation guides.**

Comprehensive Service Agreements

We understand that today not only is it important to protect your critical load but also important to work within your budget to do so. AMETEK Solidstate Controls is pleased to offer Comprehensive Service Agreements (CSA) to cover the equipment at your facility. The CSA is multi-year fixed price agreement to cover your critical equipment. The benefits of the CSA include:

- Pricing is locked in and will not go up
- Covers the equipment under a 24 x 7 warranty during the life of the contract
- Equipment will receive all of factory recommended PM’s on a yearly basis
- Can be tailored to customer’s needs as far as length of contract and what equipment is included
- Eliminates administrative burden of having to get a quote and PO each time when preventive or corrective maintenance is needed
- Due to a fixed price, it makes it easier to budget for multiple years with no spikes from year to year in cost of maintenance

The CSA provides the customer with peace of mind and a total solution for protecting their critical loads. This package is a unique offering that is truly a full service contract that keeps the equipment in optimum operating condition.



**The Columbus, Ohio facility
is ISO 9001 Certified**

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