

Preventive and Predictive Maintenance

Solidstate Controls, Inc. (SCI) Preventive and Predictive Maintenance Service (PPM) is custom designed to allow clients to keep their battery charger, inverter, UPS system and other products supplied by SCI, in the best operational condition possible. A regular PPM will minimize downtime caused by:

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

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



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

* Scheduled Component Replacement

Critical PC Board Relays/Neon & Incandescent Pilot Lights
LED Pilot Lights/Fuses/Fans/Alarms & System Relays
System Capacitors/Variable Resistors
Printed Circuit Boards

Annually
Every 5 years
Every 10 years
Every 10-12 years

**System Functional Testing

Battery Chargers
Inverter/Static Switches

Float/Equalize functions, load-sharing function and alarm functions
Static Switch automatic transfer function, alarm function, manual bypass transfer function, and any other functional test deemed necessary by the service engineer to verify proper operation.

*** System Battery Functional Testing

Battery maintenance is limited to visual inspections, 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 state prior to completing discharge of the battery. Equalize and float voltages will be adjusted as necessary to return them to their desired values. **System battery functional testing should not be used in lieu of dedicated maintenance and inspection testing of the battery system as outlined elsewhere in this brochure and/or battery manufacturer's installation guides.**