

Sealed Cell Battery Maintenance Statement of Work – Annual PM Only

SCOPE OF WORK

GE Zenith Controls, Inc. – Power Quality Services will provide a field service engineer to perform “Scheduled Battery Maintenance Services” to assist Customer in the care and maintenance of stationary batteries used and operated in conjunction with an uninterruptible power system (UPS) or battery charger system.

TERM

Provisions of this Statement of Work shall remain in effect for the period indicated on Appendix I of this Agreement. Battery maintenance does require the Customer to remain active in the day-to-day routines recommended by the battery manufacturer.

CUSTOMER GUIDELINES

Once a month, check and record the following conditions:

- General appearance of battery cells.
- Cracked or leaking cells.
- Any signs of corrosion at the terminals and/or connectors.
- Ambient temperature of room.
- Record of power failures, shutdown and / or other uses of batteries and time and load run.

SITE ACCESSIBILITY

The GEZ-PQS field service engineer shall have reasonable access to the site and to all Customer battery maintenance records.

LIMITATIONS

By performance of battery maintenance as set forth in the terms of this Agreement, GEZ-PQS makes no additional or extended guarantees, warranty or representation either expressed or implied with respect to the batteries, the quality of the material, equipment, or workmanship in the products in connection with any guarantee, warranty or representation as may have been applied in favor of the Customer at any time or otherwise by the battery manufacturer.

Replacement of cells, parts such as inter-cell connecting hardware, straps, cables and/or corrective maintenance shall be resolved under the applicable terms and conditions of the battery manufacturer’s warranty provisions related to defects in materials and workmanship. Any applicable cell and parts removal and installation, and/or corrective maintenance performed by GEZ-PQS will be billed in addition to the Agreement price on a time and materials basis unless otherwise stipulated under Appendix I, Equipment Service Schedule.

EQUIPMENT COVERAGE: SEE APPENDIX I

ANNUAL CHARGE: SEE APPENDIX I

SCHEDULE MAINTENANCE PROCEDURES

The following battery maintenance tasks will be performed by GEZ-PQS.

- Review Customer battery maintenance logs and make entries into customer logs.
- Safety Checks:
 - Warning / hazard labels.
 - Operational information, placards, and labels for operation.
 - Eye wash and deluge shower.
 - Goggles, gloves and apron.
- Provide inspection report with recommendations to Customer for any additional maintenance.
- Perform annual preventive maintenance inspection as follows:
 - Measure and record every cell terminal voltage.
 - Measure and record total float voltage per cabinet / rack.
 - Measure and record ambient room temperature.
 - Measure and record AC ripple current.
 - Measure and record AC millivolt per unit.
 - Check battery and cover for signs of leakage.
 - Check for corrosion on terminal post or connector.
 - Check for general appearance and cleanliness of battery room.
 - Re-torque all battery terminal, and jumper connections, **if accessible**.
 - Measure and record every intercell terminal and cable connection using a micro-ohmmeter to verify that connector resistances are within 20% of the average contact resistance, **if accessible**.
 - Check the safety equipment and supplies for proper amount and location.
 - Clean and neutralize jar and cover of each cell / unit.
 - Read and record internal ohmic measurements, per IEEE 1188 standards

BATTERY DISCONNECT:

- Verify the amp rated Battery disconnect.
- Verify from the rectifier systems what is the incoming amps going to the Battery disconnect.



imagination at work

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