

**Preventive Maintenance Program for STATIONARY FLOODED
BATTERY SYSTEMS**



| Description | Quarterly | Annual |
|--|-----------|--------|
| Record battery model, serial number and date code. | √ | √ |
| Measure and record battery string current and voltage | √ | √ |
| Measure and record voltage from most positive to ground and from most negative to ground | √ | √ |
| Measure and record AC ripple current | √ | √ |
| Measure and record ambient temperature | √ | √ |
| Verify water levels (ADD IF NEEDED) | √ | √ |
| Measure and record 10% cell specific gravity and electrolyte temperature | √ | |
| Inspect battery, rack, floor, and battery area | √ | √ |
| Inspect for cracks in cells, leakage, and terminal or rack for corrosion | √ | √ |
| Measure and record the 100% specific gravity of each cell/unit | | √ |
| Measure and record the voltage of 100% cell/unit | √ | √ |
| Measure and record the electrolyte temperature of 100% cell/unit | | √ |
| Visually inspect each cell/unit in detail (plates, posts, internal straps, sediment, dust covers, jars, spark arrestors, vent caps, gravity tubes) | √ | √ |
| Visually inspect each connection in detail | √ | √ |
| Measure and record 100 % cell to cell and terminal connection resistance values resistance | | √ |
| Measure and record 100 % internal resistance of each cell | | √ |
| Inspect the integrity of the battery rack or cabinet | | √ |
| Confirm and record the presence of safety equipment, product labels as supplied by the mfg., operating manuals, etc. | √ | √ |
| Record date of inspection | √ | √ |
| Provide completed inspection report | √ | √ |