



Powering Business Worldwide

Eaton UPS, DC, PDU, Flywheel (Minor) Performance Check Scope of Work Attachment R-3

The following is an outline of general checks performed during an Eaton® Performance Check of the UPS Power Module and related Battery System (if any) that are normally performed by Eaton field service personnel. All checks are designed to be performed during normal operation with no danger to the UPS's operating condition or to the critical load. All checks or processes may not be applicable to all equipment models.

- 1. Environmental Parameters**
 - A. UPS area ambient temperature and humidity
 - B. Operating condition of ventilating equipment and cooling equipment
 - C. General Cleanliness of UPS Power Module
 - D. General Cleanliness of UPS area
 - E. Replace air filters if applicable
 - F. Clean outside of UPS including control panel/CRT screen (if applicable)
- 2. Battery System Checks**
 - A. General appearance of Battery System (external batteries)
 - B. General cleanliness of Battery System area
 - C. Battery System area ambient temperature and condition of ventilating equipment
 - D. Inspect jars/cells for physical case abnormalities (external batteries)
 - E. Inspect all DC power interconnections for abnormalities (external batteries)
- 3. Monitoring System Parameters**
 - A. Download, print and review of alarm history/event (if applicable)
 - B. Download print and review of present front panel metering values (if applicable)
 1. System Input Voltages, Currents, and Frequency (all phases)
 2. Rectifier Input Voltages, Currents, and Frequency (all phases)
 3. DC Charging Voltages and Current
 4. Inverter Output Voltages, Currents, and Frequency (all phases)
 5. System Output Voltages, Currents, and Frequency (all phases)
 6. System Bypass Voltages and Currents (all phases)
 - E. Download print and review of battery self test data (if applicable)
 - F. Download and print of unit configuration report (if applicable)
 - G. Operating status or remote monitor status panels if applicable
 - H. Update connectivity card firmware as necessary
- 4. General**
 - A. Customer Consultation
 - B. Verbal Recommendations
 - C. General Observations

Following the Performance Check, a written report will be provided detailing the results of the inspection, and making specific recommendations toward future remedial action, upgrades, or sparing.

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