

Power AI System Analysis

Executive Summary Report

Generated: July 03, 2025 at 22:44

□ **SYSTEM OVERVIEW**

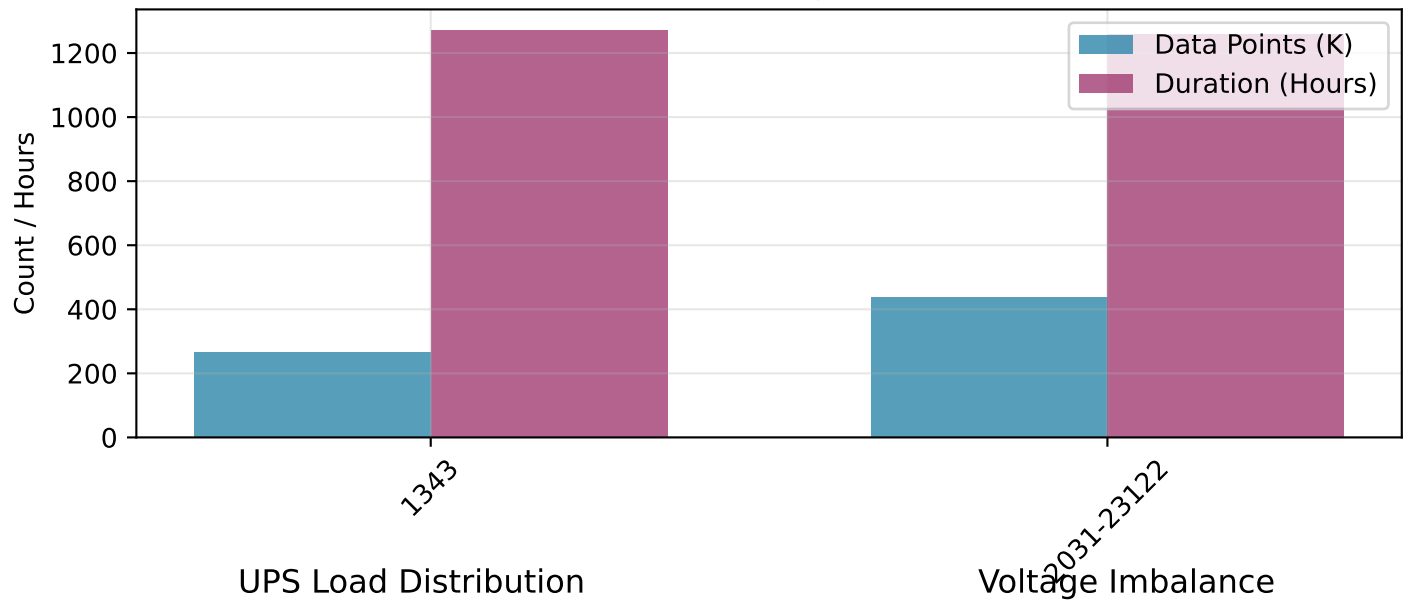
- Datasets Analyzed: 2
- Total Data Points: 704,248
- Components: UPS, Energy Meters (2), PDU Channels (8)

⚡ **KEY FINDINGS**

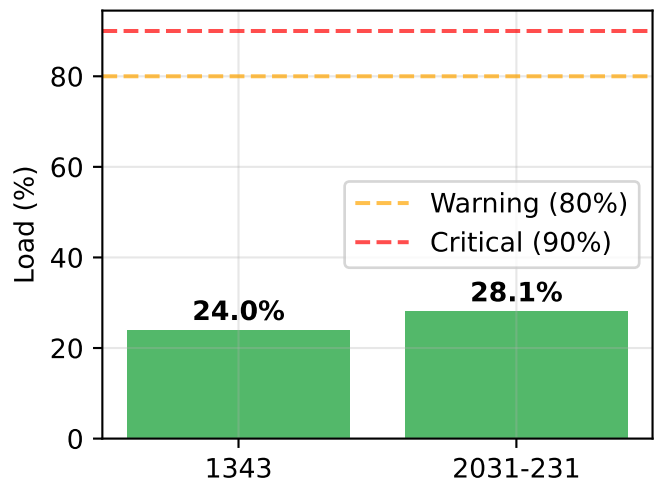
- Average UPS Load: 26.0%
- Data Quality Score: 100.0%

System Overview & Performance

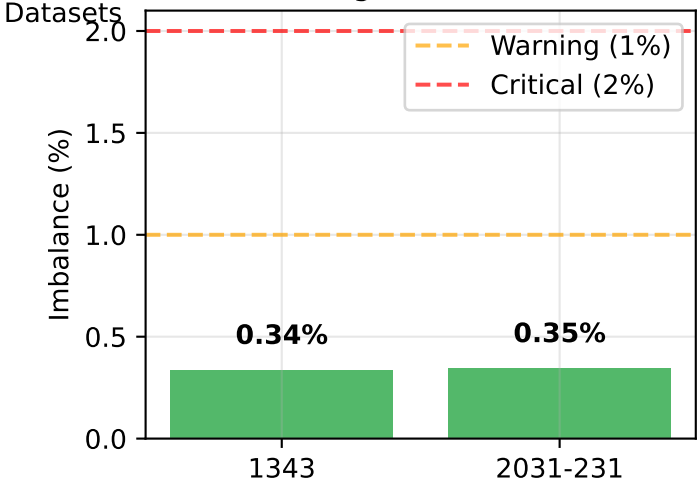
Dataset Comparison



UPS Load Distribution



Voltage Imbalance

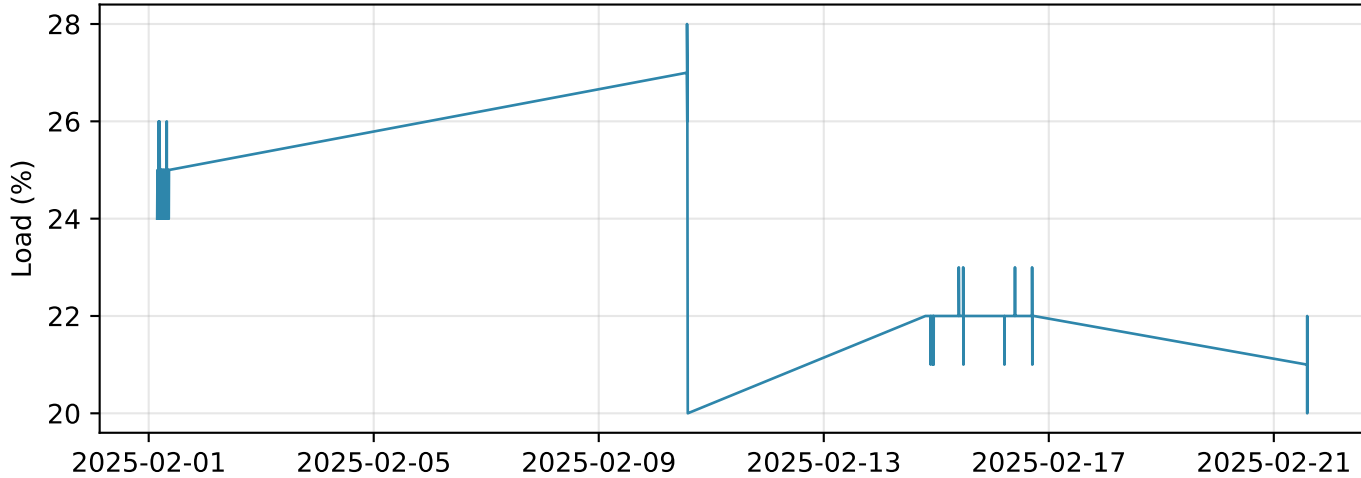


System Health Dashboard

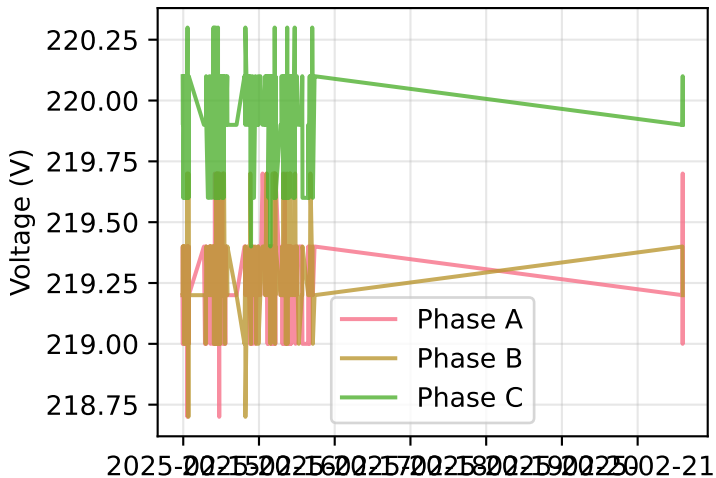


Detailed Power System Analysis

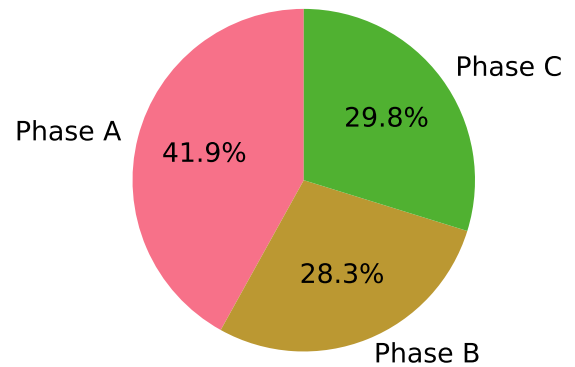
UPS Load Over Time (Sample)



Three-Phase Voltage

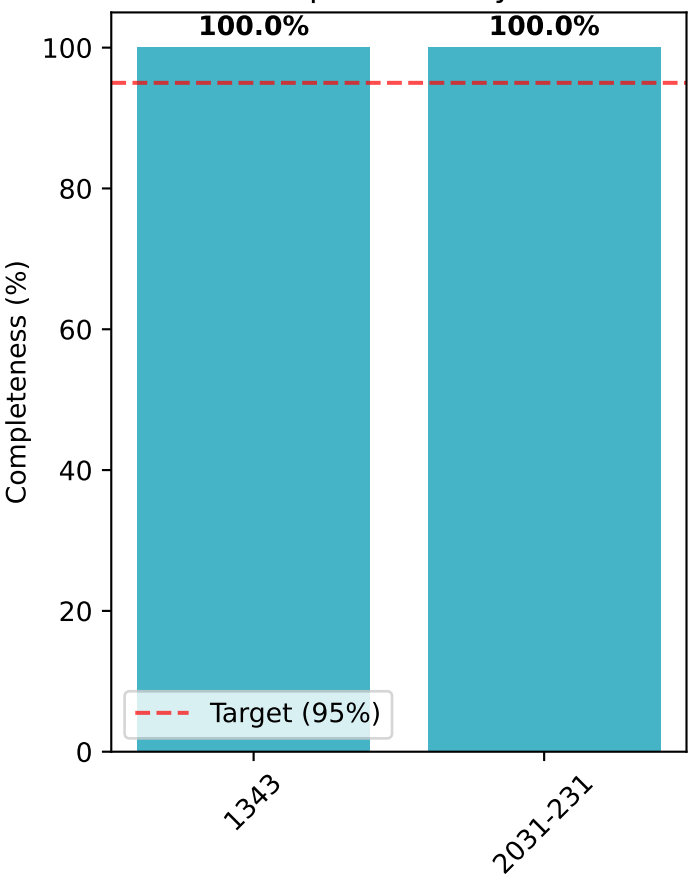


Power Distribution by Phase

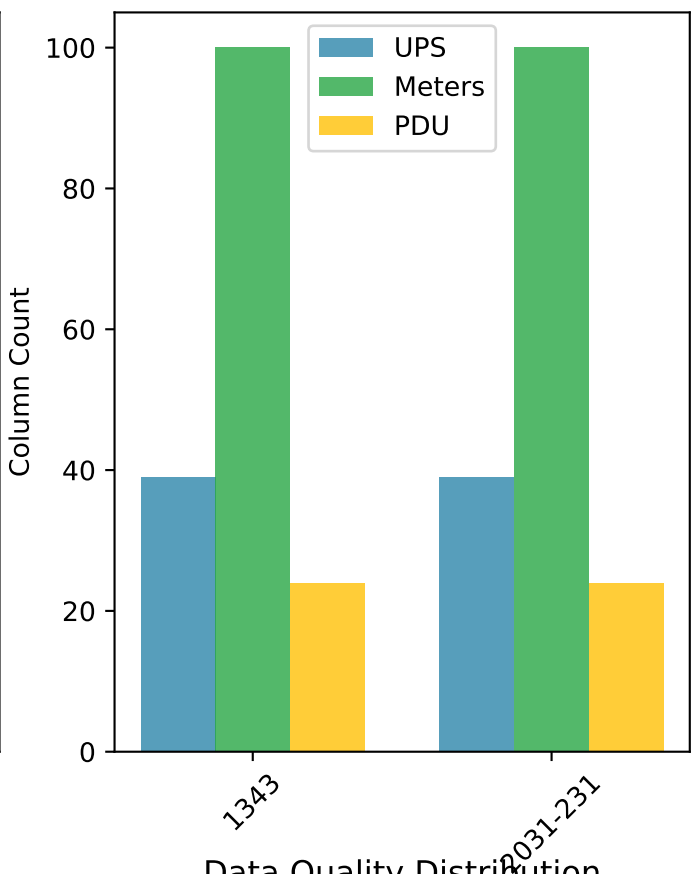


Data Quality Assessment

Data Completeness by Dataset



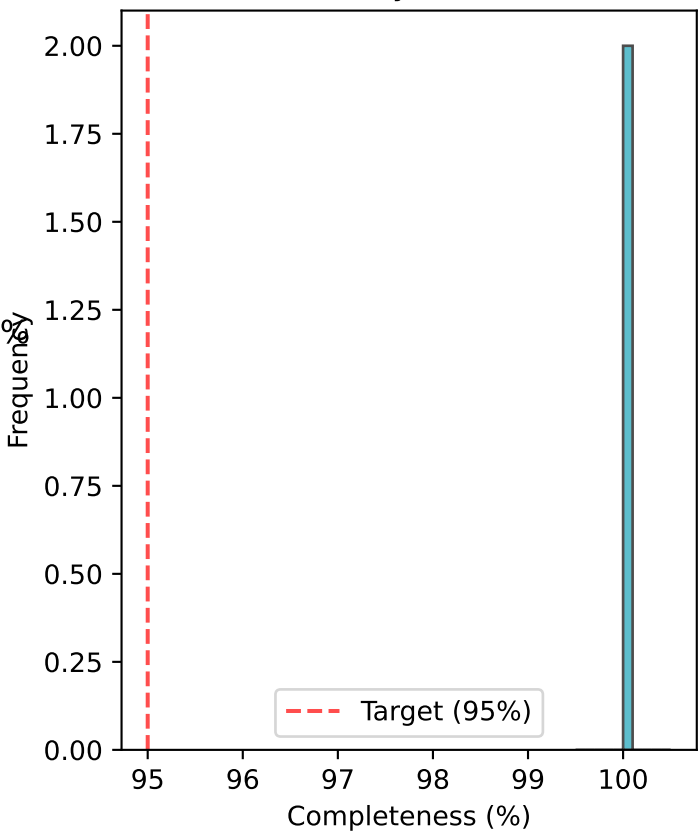
Data Column Distribution



Data Quality Summary

- Total Rows Analyzed: 80,000
- Average Completeness: 100.0%
- Total Missing Values: 0
- Datasets Processed: 2

Data Quality Distribution



Recommendations & Action Items

General Recommendations

1. Implement continuous monitoring of power quality metrics
2. Establish regular maintenance schedules based on load patterns
3. Consider predictive analytics for proactive system management
4. Develop alerting systems for critical parameter thresholds
5. Regular review of system performance against baseline metrics