

# Uninterruptible Power Supply (UPS) Battery Health Checklist

 Show only Checklist

Display Style  
Default 

## Visual Inspection

Initial assessment for physical damage or abnormalities.

### Battery Enclosure Condition (1-5, 1=Excellent, 5=Poor)

Enter a number...

### Evidence of Corrosion?

- Yes
- No
- Unsure



### Battery Swelling/Bulging?

Yes

No

Unsure

### Detailed notes on enclosure condition (e.g., scratches, dents, leaks)

Write something...

### Upload photos of battery enclosure

 Upload File

### Evidence of Liquid Spillage?

Yes

No

Unsure

### Number of Batteries Visually Damaged

Enter a number...

# Battery Voltage and Temperature

Measure individual battery voltage and temperature to identify potential issues.

## Battery 1 Voltage (V)

## Battery 2 Voltage (V)

## Battery 3 Voltage (V)

## Battery 4 Voltage (V)

## Battery 5 Voltage (V)

### Battery 6 Voltage (V)

### Battery 1 Temperature (°C)

### Battery 2 Temperature (°C)

### Notes on Voltage/Temperature Readings

## Battery Capacity Testing

Evaluate battery performance under load to determine remaining capacity.

### Battery Capacity Test Duration (minutes)

### Initial Voltage (V) during test

Enter a number...

### Final Voltage (V) after test

Enter a number...

### Peak Discharge Current (A) during test

Enter a number...

### Discharge Capacity Achieved (%)

Enter a number...

### Test Result

- Pass - Meets Specifications
- Marginal - Below Specifications
- Fail - Significantly Below Specifications

### Notes/Observations during Capacity Test

Write something...

### Date of Capacity Test

Enter date...

# UPS System Logs & Events

Review UPS system logs for any error messages or warnings related to battery performance.

**Review UPS system logs for recent error messages.**

Write something...

**Note any warnings related to battery voltage or temperature.**

Write something...

**Record number of battery-related alarms in last 24 hours.**

Enter a number...

**Document any instances of UPS transferring to battery power (utility outage) and duration.**

Write something...

**Indicate if firmware version is current (refer to manufacturer recommendations).**

- Yes
- No
- N/A

**Note any recurring error codes or patterns in the logs.**

Write something...

## Maintenance Records Review

Check historical maintenance records to track battery performance trends and previous issues.

**Last Battery Replacement Date**

Enter date...

**Battery Age (in months)**

Enter a number...

### Summary of Previous Battery Testing Results

Write something...

### Previous Battery Type

- Lead-Acid
- Lithium-Ion
- Other

### Previous Battery Capacity (kVAh)

Enter a number...

### Date of Last Battery Maintenance (e.g., cleaning, equalization)

Enter date...

### Notes/Observations from Previous Inspections

Write something...

# Environmental Conditions

Assess the UPS battery environment for temperature, humidity, and ventilation.

## Ambient Temperature (°C)

## Battery Cabinet Temperature (°C)

## Relative Humidity (%)

## Ventilation Adequacy

- Excellent
- Good
- Fair
- Poor

### Dust/Debris Accumulation

- None
- Minor
- Moderate
- Significant

### Notes on Environmental Conditions

Write something...

## Connection & Wiring Integrity

Inspect battery connections and wiring for corrosion, looseness, or damage.

### Battery Terminal Voltage (each battery)

Enter a number...

### Terminal Condition (Clean/Corroded/Damaged)

- Clean
- Slight Corrosion
- Moderate Corrosion
- Significant Corrosion
- Damage Present

### Wiring Condition (Intact/Frayed/Damaged)

- Intact
- Minor Fraying
- Moderate Damage
- Significant Damage

### Torque on Battery Terminal Connections (Nm/lb-in)

Enter a number...

### Connection Security (Tight/Loose/Questionable)

- Tight
- Slightly Loose
- Loose

### Notes on Wiring/Connections

Write something...