

Back-UPS[®] LS 350/500/700

User's Manual

100-20000-000

Setup

1 Connect Battery Wire (must be completed FIRST)

The UPS is shipped in a battery safety mode disconnected, in compliance with Department of Transportation (DOT) regulations. Connect the battery wire as shown. The UPS will NOT operate without the proper battery connection.



a. For the UPS at storage, or a sale.



b. After the battery replacement or repair.



c. Check the wire attached to the battery and used for battery protection. Connect the black wire to the battery by pushing it all the way into the terminal, and verify with battery analyzer, or battery cable battery monitoring.



d. Study the battery label for correct polarity and wire color.



e. Study the battery compartment cover-back label (shown).

2 Power the UPS

Protect the UPS by using:

- Safety switch
- Emergency stop
- Emergency stop button on control panel handle



Plug the UPS directly into a wall outlet.



- The building electrical engineer must inspect the UPS before connecting it to the building's power system.
- The UPS begins charging automatically on safety power.
- Some types of charging loads are prohibited on certain manufacturers' systems.

3 Check Building Wiring Fault Indicator

If the Building Wiring Fault indicator on the power supply panel is on, the following conditions exist:

- Opened high-voltage ground
- Hot and neutral ground reversal
- Overloaded neutral circuit

A B indicator means that a significant shock hazard exists when the building wiring is grounded. Should the indicator be a significant shock hazard.

Overloaded building wiring will not prevent the UPS from operating but it affects the protection capability. Inspect building wiring immediately to determine if it is a safety hazard. APC[®] PowerWise[®] APC[®] Equipment Protection Policy for details.

4 Connect Equipment to UPS

See your system administrator for an approved system administrator. See the Back-UPS LS User's Manual for details.

Battery Backup (No Surge Protection available)
The Back-UPS LS provides surge protection when the battery is properly installed and the system is properly configured. Surge protection is not available when the system is configured for surge protection. The Back-UPS LS is not designed to protect your system from a surge in voltage. The Back-UPS LS is designed to protect your system from a surge in voltage.

Surge Protection (No Battery Backup)
The Back-UPS LS provides surge protection when the battery is properly installed and the system is properly configured. Surge protection is not available when the system is configured for surge protection. The Back-UPS LS is not designed to protect your system from a surge in voltage. The Back-UPS LS is designed to protect your system from a surge in voltage.

Protection (No Battery Backup)
The Back-UPS LS provides surge protection when the battery is properly installed and the system is properly configured. Surge protection is not available when the system is configured for surge protection. The Back-UPS LS is not designed to protect your system from a surge in voltage. The Back-UPS LS is designed to protect your system from a surge in voltage.

Typical Installation



5 Connect Phone Lines to Surge Protection

The telephone surge protection protects up to three lines. It is designed to protect lines that are connected to the Back-UPS LS.

One cable connects the wall outlet to the UPS and the other cable connects the UPS and the telephone. The Back-UPS LS is designed to protect lines that are connected to the Back-UPS LS. The Back-UPS LS is designed to protect lines that are connected to the Back-UPS LS.

After plugging the phone line into the back of the UPS, the phone line will operate as normal. The phone line will operate as normal.

6 Switch On and Test the UPS

Perform the following steps to test the UPS:

- The battery Low indicator will flash.
- The test On/Off indicator will flash briefly.
- The system On/Off indicator will flash briefly.
- When the system On/Off indicator will flash briefly.

Following the test, if a test indicator is displaying, consult the Troubleshooting section.

Note: When using the UPS, the battery will be discharged. When the battery is discharged, the UPS will not operate. When the battery is discharged, the UPS will not operate.

In Performance Mode, the battery will be discharged. When the battery is discharged, the UPS will not operate. When the battery is discharged, the UPS will not operate.

When the battery is discharged, the UPS will not operate. When the battery is discharged, the UPS will not operate.

When the battery is discharged, the UPS will not operate. When the battery is discharged, the UPS will not operate.

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When the battery is discharged, the UPS will not operate. When the battery is discharged, the UPS will not operate.

7 Connect USB Cable (optional procedure)

Make sure the host's ports, containing information on using your APC software, is located in the main folder of your OS.

Your computer system must be fully loaded with the USB cable. Connect the USB cable to the back of the UPS. Connect the other end of the USB cable to the back of the computer.

Attention: USB Extension Cables
USB was designed to operate in the local desktop environment. Though full-speed USB devices can be connected up to 15 meters (49 feet) apart, full-speed USB devices can only be connected up to 3 meters (9 feet) apart. This may affect the performance of the USB devices.

The APC Back-UPS LS should be connected directly to the computer, with the nearest USB cable to ensure reliable operation of the software. The standard extension cable should be used to connect the Back-UPS LS to the computer.

When using the Back-UPS LS, the standard extension cable should be used to connect the Back-UPS LS to the computer. The standard extension cable should be used to connect the Back-UPS LS to the computer.

8 Install Software (optional procedure, performed after section 7)

For other Microsoft[®], Windows[®] or Macintosh[®] operating systems, please follow the steps below, as appropriate.

Windows[®] 95 and Windows[®] Me Users
When using the APC Back-UPS LS, the software is installed on the computer. The software is installed on the computer. The software is installed on the computer.

Windows[®] 2000 Users
When using the APC Back-UPS LS, the software is installed on the computer. The software is installed on the computer. The software is installed on the computer.

Mac OS 9 Users
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Mac OS X Users
When using the APC Back-UPS LS, the software is installed on the computer. The software is installed on the computer. The software is installed on the computer.

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Smart Ups X1500 Manual

J Elliott



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