HP UPS 600 VA
Uninterruptible Power Supply

Inspection

Inspect the UPS upon receipt, and notify the carrier and dealer if there is damage. The package is recyclable; save it for reuse or dispose of it properly.

Caution

Do not connect a laser printer to the UPS. The UPS outlets provide battery power and surge protection to the equipment when utility voltage is outside acceptable limits. A laser printer may disrupt the power distribution in the UPS and may cause damage to the UPS unit.

In the box

1. AC inlet
2. Backup outlets; one EC320 and two universal outlets
3. AC input breaker

1. Placement

2. Connect UPS to power outlet

3. Connect computer and peripherals to back of UPS

4. Power on
IMPORTANT SAFETY INSTRUCTIONS
— SAVE THESE INSTRUCTIONS
This document contains important safety instructions. Please follow all instructions carefully during installation. Read this document thoroughly before attempting to unpack, install, or operate the UPS.

NOTE: The UPS is designed to be used with computers and computer peripherals only.

CAUTION: Risk of fire or electric shock — Install in a temperature and humidity controlled indoor area that is free of conductive contaminants.

CAUTION: Risk of electric shock — Do not remove the cover. The UPS contains no user-serviceable parts. Refer servicing to qualified service personnel.

CAUTION: Risk of electric shock — Hazardous live parts inside the UPS can be energized from the battery supply even when the UPS is disconnected from the AC power source.

CAUTION: Risk of electric shock — The battery circuit is not isolated from the AC input, and hazardous voltage may exist between the battery terminals and the ground. Test before touching.

FRONT PANEL EXPLANATIONS
1. Line LED (green):
   - Green LED remains lit when electricity is working normally.
   - Green LED flashes every 3 seconds and the alarm beeps continuously when there is an electrical failure.
   - Green LED flashes every 3 seconds when the UPS is in battery charging mode.
   - Green LED flashes and the alarm beeps every 0.5 seconds when the battery is low.
   - Green LED remains lit and the alarm beeps continuously when the UPS is overloaded.

2. Battery LED (red):
   - Red LED lights up if there is a battery failure.

3. Power button:
   - Turns the UPS on or off when electricity is working normally.
   - Enables “DC-Start” function when there is an electrical failure. (In order for DC-Start to function properly, we recommend a combined load of <80% capacity (680 VA) to the UPS.)

NOTE: Make sure all computers or peripherals are connected to the UPS and switched on before enabling the DC-Start function.

TROUBLESHOOTING
If your UPS malfunctions, you may check the list below for possible solutions. If these suggestions do not solve the problem, please contact your sales rep or retailer for help.

<table>
<thead>
<tr>
<th>Situation</th>
<th>Check Items</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions are normal but green line LED is not on.</td>
<td>1. Is the power switch on? 2. Has the circuit breaker been tripped? 3. Is the power cord loose?</td>
<td>1. Press the Power button to turn the UPS on. 2. Reset the circuit breaker. 3. Reconnect the power cord.</td>
</tr>
<tr>
<td>Line LED flashes every second and there is no battery output.</td>
<td>Is the UPS battery low?</td>
<td>Charge the UPS for 24 hours.</td>
</tr>
<tr>
<td>Alarm beeps continuously when electricity is working normally.</td>
<td>Is the UPS overloaded?</td>
<td>Remove some of the less critical load (peripherals) from the UPS.</td>
</tr>
<tr>
<td>Alarm beeps for 10 seconds, and then the UPS turns off.</td>
<td>Is the UPS overloaded?</td>
<td>Remove some of the less critical load (peripherals) from the UPS and turn on the UPS.</td>
</tr>
<tr>
<td>No LED lights display on the front panel.</td>
<td>—</td>
<td>Contact your sales rep or retailer for help.</td>
</tr>
<tr>
<td>The UPS does not provide the expected backup time.</td>
<td>1. The UPS’s battery is weak due to recent power outage. 2. The UPS’s battery is near the end of its service life.</td>
<td>1. Charge the battery. 2. Replace the battery.</td>
</tr>
<tr>
<td>The UPS operates normally, but the site wiring fault indicator is lit.</td>
<td>Is there a wiring error in the building, such as missing ground wires or hot to neutral wire reversal?</td>
<td>Have a qualified electrician correct the building wiring.</td>
</tr>
<tr>
<td>The UPS is powered on, but is not working.</td>
<td>Is the electricity functioning normally?</td>
<td>If the electricity is functioning normally, make sure that the UPS is switched off before you connect the UPS to the power outlet. Turn the UPS on after you connect it to a power outlet.</td>
</tr>
</tbody>
</table>

REPLACING THE BATTERY
1. Disconnect all cables from the UPS.
2. Use a Phillips head screwdriver to remove the two front panel screws and slide the panel down.
3. Gently pull the battery out of the UPS.
4. Loosen the black wire from the negative (-) terminal and the red wire from the positive (+) terminal.
5. Connect the battery leads to the new battery.
   NOTE: Small sparks from the battery connectors are normal during connection.
6. Slide the new battery into the UPS.
7. Close the front panel and fasten the two screws.
8. Reconnect all cables to the UPS.
9. Dispose of the old battery properly at an appropriate recycling facility.

NOTE: Once the battery is disconnected, the computer equipment is not protected from power outages.