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maintenance & service guide

Presario 1600XL Series
Model 1600T, 1600-XL140, 1600-XL141, 1600-XL142, 1600-XL143, 1600-XL144, 1600-XL146, 1600-XL147, 1600-XL150 XL156, XL157, XL255, XL256, XL257, and XL258

Battery Operations

This section explains the following topics concerning battery pack operating time:

- [Increasing Battery Pack Operating Time](#)

- [Conditioning a Battery Pack](#)

- [Disposing of a Used Battery Pack](#)

Increasing Battery Pack Operating Time

Battery pack operating time varies depending on several factors. To avoid unnecessary replacement, consider the following when determining how long a charged battery pack should last:

- Power management settings

- Hardware configuration

- Software applications

- Installed options

- Display brightness

- Hard drive usage

- Changes in operating temperature

- Type and number of installed PC Cards

  Note: The power consumption requirements for PC Cards vary widely. Some cards drain the battery pack very rapidly.

Battery pack operating time can be increased by as much as 50 percent by controlling the amount of energy required by the computer and the energy stored in the battery pack.

Minimizing the Energy Required

To minimize the energy required by the computer, follow these steps:

- Set the power conservation levels in the Power Management utility to **Maximum**.

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- Customize the timeout value to work more efficiently with the applications. The amount of battery life depends on the values selected.

Maximizing the Energy Stored

To maximize the energy stored in the battery pack, follow these guidelines:

- Condition the battery pack at least every 30 days to improve overall battery performance.

- Keep a battery pack in the Notebook when using it with AC power. This supplies the battery pack with a constant trickle charge.

- Store the battery pack in a cool, dry place when not in use.

Conditioning a Battery Pack

⚠ **CAUTION:** To avoid loss of data, ensure that all data is saved before discharging a battery pack.

To condition a battery pack, complete the following steps:

1. Plug in the AC adapter and allow the battery to charge until the fast charge arrow on the display disappears. Your battery gauge may read 100 percent for a period of time before the arrow disappears. Do not unplug the AC adapter until the arrow disappears.

2. Unplug the AC adapter and allow the battery to drain until the computer reaches hibernation and turns itself off.

⚠ **CAUTION:** Do not plug in the AC adapter during this process or you will need to restart with Step 1. You may use the computer while the battery is draining.

3. The battery is reconditioned.

4. Plug in the AC adapter and begin using the computer.

The table below shows battery pack charge times by model.

Battery Charge Time		
Computer	**Online**	**Offline**
Li-ION Battery Pack	4.5 hours premature termination	2:50 hr

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Disposing of a Used Battery Pack

In the interests of safeguarding our environment, Compaq Computer Corporation recommends that nickel metal hydride (NiMH) and lithium-ion (Li-ION) battery packs be recycled. Battery packs should be handled in accordance with country, state, province, or local regulations.

⚠ **CAUTION:** Never attempt to open or service a battery pack. Opening a battery pack not only damages the pack and makes it unusable, but also exposes potentially harmful battery components.

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