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maintenance & service guide

Presario 1200 Series
Models: XL101-XL113, XL115, XL118-XL127

Battery Operations

This section covers the following information concerning battery pack operating time:

- [Increasing Battery Pack Operating Life](#)
- [Conditioning a Battery Pack](#)
- [Disposing of a Used Battery Pack](#)

Increasing Battery Pack Operating Life

Battery pack operating life depends on several variables. To avoid unnecessary replacement, consider the following variables 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 life can be increased by as much as 50 percent by controlling the energy required by the Notebook and the energy stored in the battery pack.

Minimizing the Energy Required

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

- Set the power conservation levels in the Power Management utility to **Maximum**.
- Customize the timeout value to work more efficiently with the applications. The amount of battery life depends on the values selected.

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Maximizing the Energy Stored

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

- Condition the battery pack as described below at least every 30 days to improve overall battery performance.
- Keep a battery pack in the Notebook when using it with AC power to supply 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 a 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 Battery Charge Light on the front bezel of the Notebook goes out. Do not unplug the AC adapter until the charging light is off.
2. Unplug the AC adapter and allow the battery to drain until the computer enters Hibernation mode and turns itself off.

Note: You may use the Notebook while the battery is draining.

 **CAUTION:** Do not plug in the AC adapter during this process. If the AC adapter is plugged in while the battery is draining, begin again with step 1 of the conditioning process.

3. The battery is reconditioned.
4. Resume normal use of the Notebook with AC power.

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The table below shows battery pack charge times by model.

Approximate Battery Charge Time		
Computer	On Line	Off Line
Li-Ion Battery Pack	4.5 hours premature termination	2.50 hr
NiMH Battery Pack	4.0 hours premature termination	2.0 hr

Disposing of a Used Battery Pack

In the interest 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, and/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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