

FIELD SUPPORT BULLETIN

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Subject: NI-Cad & Nickel Metal Hydride Batteries

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This document is intended to provide some useful information that will help you get the most performance out of your Ni-Cad or Nickel Metal Hydride battery.

General Operating Tips

1. Do not expose the battery to heat - permanent damage will result if the battery is exposed to temperatures above 43C (110F). A Battery left in a car in the hot summer sun is the obvious example.
2. Do not over-charge the battery - disconnecting and reconnecting your computer to AC power frequently, without discharging the battery, causes over charging.
3. Cycle your battery regularly - you should cycle your battery from a fully charged to a fully discharged state regularly. With a fully charged battery, disconnect AC power and let the computer run until it turns itself off.
4. Do not over-discharge the battery - your computer consumes battery power even when it is turned off. If you do not use your computer for extended periods of time, a week or more, remove the battery from the unit.

More Battery Tips

1. Main battery packs are completely discharged at the time of purchase. It is recommended that you charge the battery for at least 12 hours when it is new.
2. A battery pack can be recharged about 500 - 1000 times when used as directed.
3. You can increase portability with additional battery packs.
If you have extra battery packs, rotate their use.
4. The battery operating time decreases as the temperature decreases.

The Different Batteries in Your Computer

There are three different batteries in your computer, here is a

description of what each does:

1. Main battery pack - this is the computer's main power source when not running off power from the AC adapter. Leave the computer off with the AC adapter attached to fully charge it.
2. Backup battery (Sub-battery) - this is a backup to the main battery pack. It provides power for the AutoResume, when the main battery is low or has been removed. To charge this battery turn the computer on, and attach the AC adapter for 8 to 12 hours (maximum 24 hours).
3. RTC battery (CMOS battery) - this powers the RTC chip, which maintains the internal real time clock, and system configuration (TSETUP program values). It will maintain this data for one month when fully charged. An 'Error in CMOS' message will appear when this battery is discharged. This battery charges whenever the machine is on. See the charging procedure for the backup battery.

For Further Information:

Contact Toshiba Canada Technical Support at 1-800-663-0378