

Sony laptop battery has odd behavior with 2.6.26-rc3ish build.

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-05/msg10016.html>

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A couple days ago, I updated my test build to commit 8033c6e9736c29cce5f0d0abbca9a44dff20c39 and noticed an odd behavior with the battery. If I unplug the power, the battery discharges and that is reflected in `/proc/acpi/battery/BAT0/state`. I am not certain the discharge is continuous and uniform or if it goes in steps. When I plug the power back in, the level stays at a constant value (+-1mAh) for a considerable period of time. It then does a single step back to the fully charged value.

I have not done any searching to see when this began. I had been running the ubuntu 2.6.22-14 kernel before this and the behavior was normal.

I am not certain what information you will need. Commit is above.

```
$ cat /proc/acpi/battery/BAT0/alarm
alarm: unsupported
$ cat /proc/acpi/battery/BAT0/info
present: yes
design capacity: 4800 mAh
last full capacity: 4096 mAh
battery technology: non-rechargeable
design voltage: 12588 mV
design capacity warning: 1000 mAh
design capacity low: 400 mAh
capacity granularity 1: 100 mAh
capacity granularity 2: 100 mAh
model number:
serial number:
battery type: LiOn
OEM info: Sony Corp.
$ cat /proc/acpi/battery/BAT0/state
present: yes
capacity state: ok
charging state: charging
present rate: unknown
remaining capacity: 4096 mAh
present voltage: unknown
```

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What I think is relevant .config information:

```
CONFIG_ACPI=y
CONFIG_ACPI_SLEEP=y
CONFIG_ACPI_PROCFS=y
CONFIG_ACPI_PROCFS_POWER=y
CONFIG_ACPI_SYSFS_POWER=y
CONFIG_ACPI_PROC_EVENT=y
CONFIG_ACPI_AC=m
CONFIG_ACPI_BATTERY=m
CONFIG_ACPI_BUTTON=m
CONFIG_ACPI_VIDEO=m
CONFIG_ACPI_FAN=m
CONFIG_ACPI_DOCK=m
CONFIG_ACPI_BAY=m
CONFIG_ACPI_PROCESSOR=m
CONFIG_ACPI_HOTPLUG_CPU=y
CONFIG_ACPI_THERMAL=m
CONFIG_ACPI_WMI=m
CONFIG_ACPI_ASUS=m
CONFIG_ACPI_TOSHIBA=m
# CONFIG_ACPI_CUSTOM_DSDT is not set
CONFIG_ACPI_BLACKLIST_YEAR=2000
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_ACPI_CONTAINER=m
CONFIG_ACPI_SBS=m
CONFIG_X86_ACPI_CPUFREQ=m
CONFIG_X86_POWERNOW_K7_ACPI=y
CONFIG_X86_POWERNOW_K8_ACPI=y
# CONFIG_X86_ACPI_CPUFREQ_PROC_INTF is not set
CONFIG_HOTPLUG_PCI_ACPI=m
CONFIG_HOTPLUG_PCI_ACPI_IBM=m
CONFIG_PNPACPI=y
CONFIG_THINKPAD_ACPI=m
# CONFIG_THINKPAD_ACPI_DEBUG is not set
CONFIG_THINKPAD_ACPI_BAY=y
CONFIG_THINKPAD_ACPI_VIDEO=y
CONFIG_THINKPAD_ACPI_HOTKEY_POLL=y
CONFIG_BLK_DEV_IDEACPI=y
CONFIG_ATA_ACPI=y
CONFIG_PATA_ACPI=m
CONFIG_SONY_LAPTOP=m
CONFIG_SONYPI_COMPAT=y
CONFIG_SONYPI=m
```

Thanks,
Robin Holt

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