

Re: [More or less OT] Laptop battery capacity

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- *From:* Lenard <lenard@xxxxxxxxxx>
 - *Date:* Sun, 24 Dec 2006 16:08:38 GMT
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Sybren Stuvel wrote:

Hi folks,

I just bought a new laptop, a HP Pavillion DV9000 series. According to `/proc/acpi/battery/BAT0/*` the capacity is 6000 mAh. However, the "full" capacity is peaked at 3872 mAh:

design capacity: 6000 mAh
last full capacity: 3872 mAh

As you can see, my Ubuntu 6.10 think it's fully charged:

charging state: charged
remaining capacity: 3872 mAh

Does anyone know how I can get my battery to charge all the way up to 6000 mAh? I'd like to have it filled before I go on the road...

Since this might be a new battery you will have to fully charge and discharge the battery at least 5 times. This is fairly common with new LION batteries as well as capacity loss with age. Typically LION batteries lose between 10 and 20 % of the design capacity per yer with normal usage.

It is a good idea to check the date of manufacturer for both the battery and laptop, the dates may differ a bit (2-3 months) which is understandable. If the battery date is over a year older then the laptop then ask for a warranty replacement.

It is a good idea to discharge the battery fully at least once a month. And if on AC for long periods (greater then 3 days without discharge) it is adviseable to disconnect the battery, the laptop's heat and other factors has negative affects on the battry chemical nature when left in a fully charged state over a long time.

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Contained within the Microsoft EULA;

This Limited Warranty is void if failure of the Product has resulted from accident, abuse, misapplication, abnormal use or a virus.

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