

Why is my battery not charging?

The battery is not charging if it's at a voltage higher than the charging input. For example when the battery is at 10V and the charger is at 9V, the battery is not charging. The battery is charging when the current is flowing across the diode and produces a voltage drop.

How do you know if a battery is charging?

The battery is charging when the current is flowing across the diode and produces a voltage drop. To detect if a battery is charging, the battery voltage must be less than or equal to the charging input. I've come up with this naive circuit that powers a comparator with the battery voltage since it's typically higher than the charger's.

Why is my Dell laptop battery not charging?

Battery is charging fine now. First thing to try is a new OEM Dell adapter. If that is recognized, you're set. If not, next thing is to replace the DC jack in the system. One of those will likely solve the problem. If the adapter is still not recognized, though - it's the charge circuit that's bad and the motherboard will need replacement.

Why is my LiPo battery not charging properly?

LiPo batteries have specific charging requirements that are critical for safety, and the charger won't work properly if it doesn't see the expected battery voltage. A diode will add at least 0.3V to the battery voltage when charging, which will prevent the battery from getting a full charge.

How do I fix my laptop battery not charging?

Shut down your laptop and disconnect the battery. Connect the AC Adapter then open your laptop. Close your laptop again and connect the battery while the AC Adapter is still plugged in. It worked for me and now is charging again. I will come back with a edit if it stops working again and then i will send it to warranty.

Can a diode prevent a battery from getting a full charge?

A diode will add at least 0.3V to the battery voltage when charging, which will prevent the battery from getting a full charge. Also the charger will not see any voltage coming from the battery when not charging, so it may think the battery is disconnected or dead and not even start charging it.

Battery is charging fine now. First thing to try is a new OEM Dell adapter. If that is recognized, you're set. If not, next thing is to replace the DC jack in the system. One of ...

A few days ago I plugged in my thinkpad (the external battery was at 0% and the internal was at about 50%. It started charging the external battery, but it stayed at 0%, and will not charge. If i remove the external battery it will charge the internal one, but no matter what the external ones wont charge. I have checked and confirmed that the ...

Posted on January 30, 2018 at 11:08. They appear to be related to Battery Charging Detection functionality of the USB IPs, see respective RM (note that there are two distinct incarnations of that IP, the device-only, and the Synopsys-originated OTG), see

Posted on June 07, 2018 at 06:46 Hi All, I am working on a charger based on STM32F04. It can detect the SDP or DCP when PC or charger connected, but it only works one time. That means when I unplug and plug the USB, it always detects as SDP. I believe it might be the USB is not uninitialized cor...

I recently installed WFCO's "auto-detect" replacement converter and board for our trailer's OEM WFCO 8955 converter. Their claim of auto-detection of "the battery's chemistry" is clearly not accurate as it never got anywhere near the charge rate for LiFePO4 batteries. So, looking up the issue, I find a WFCO Tech Support "official" video that ...

After upgrade to windows 11, My laptop battery does not get charged while in use. I can see plug in mode is just disappeared. 1) Battery will charge only, when battery is ...

current community. Ask Ubuntu help chat. Ask Ubuntu Meta ... Battery Detected, Charging, but not Working. Ask Question Asked 3 years, 11 months ago. Modified 3 years, 11 months ago. Viewed 208 times 1 . Ubuntu 20.10 - HP Pavilion DM4. Similar to other issues on this site but different. Battery IS detected AND charged fully, BUT the laptop will NOT use it if AC ...

Hi guys, I just installed Fedora alongside Windows 11. Everything went okay, but I noticed that the battery is not charging on Fedora, but it shows up as 100% on Windows and charges normally. I also noticed that if I unplug the charger while on Fedora, my laptop turns off, but works fine on windows. On the control panel it shows the battery as 0% charged and not ...

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