

Laptop Battery

How to find the laptop battery specifications

Nearly all laptops today use a Li-ion battery, but some, especially older ones, use a NiMH or Ni-Cad battery. Furthermore, there are different types and sizes of laptop batteries. To determine which laptop battery you have, remove it from the laptop and look at the top or bottom for specifications. ([How to remove a laptop battery](#))

If your laptop has a built-in, non-removable battery or you don't have tools to remove battery, use one of the other methods explained on this page to find information about your battery. Additionally, replacing a built-in battery usually requires a certified repair center to take the laptop apart and install a new battery.

Windows command line

If your laptop is running the Windows operating system(win10 or later), you can use the powercfg command to retrieve some information about the battery.

1. Open the Windows command line.
2. Type **powercfg /batteryreport** at the command prompt and press Enter.
3. The battery details are output to a file and saved to your Windows account profile folder. The default location of the profile folder is C:\Users\, where is Windows account's username. Find and open that output file, which has a file name of battery-report.html or similar.

Below is an example of the battery specifications provided in the battery report generated with the powercfg command.

Laptop Battery

Battery report

COMPUTER NAME	LAPTOP-VQ2EEUEH
SYSTEM PRODUCT NAME	Acer Nitro AN515-54
BIOS	V1.09 08/02/2019
OS BUILD	22000.1.amd64fre.co_release.210604-1628
PLATFORM ROLE	Mobile
CONNECTED STANDBY	Not supported
REPORT TIME	2022-06-15 21:36:48

Installed batteries

Information about each currently installed battery

BATTERY 1	
NAME	PABAS0241231
MANUFACTURER	Simplo
SERIAL NUMBER	41167
CHEMISTRY	Li-I
DESIGN CAPACITY	58,751 mWh
FULL CHARGE CAPACITY	42,889 mWh
CYCLE COUNT	-

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name: PABAS0241231 is your battery part number

Manufacturer website

Many laptop manufacturers provide details on their website for which batteries their laptops use, including model and part numbers. Check your laptop manufacturer's website to get battery details for your laptop model.

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Third-party utility

If your battery is not labeled or you're unable to read the information on the battery, consider using a third-party utility that's capable of giving you detailed battery information. For example, [BatteryInfoView](#) and [BatteryMon](#) are free software utilities that provide battery specifications. The image below is an example of the battery information provided by the BatteryMon utility.

Laptop Battery

BatteryMon Battery Information



Battery Information (Slot 1)



Status	Discharging
Manufacturer	Simplo
Device name	PABAS0241231
Serial Number	41167
Unique ID	41167Simplo PABAS0241231
Time remaining (sec)	11064
Battery Temperature	N/A
Date of Manufacture	N/A
Type of use	Normal operation
Rechargeable	Yes
Chemistry	Lithium Ion
Design capacity	58751 mWh (3893 mAh)
Full charge capacity	42889 mWh (2842 mAh)
Current capacity	31570 mWh (2092 mAh)
Alert levels	W: 1247 / L: 4158
Critical Bias	None
Charge cycles	N/A
Voltage	15.091 Volts
Charge rate	-10272 mW

73.6%



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