

# What is the best way to store and preserve laptop batteries?

How to store and store laptop batteries when not in use? This article will show you how to store the best battery and some notes to increase laptop battery life.

Some people use laptops instead of desktop computers, so there is no reason to always install batteries in laptops. Installing the battery while plugging in will reduce the battery's ability to store energy. You need to remove the battery and use the power directly to the computer while working, or do not use the laptop for a period of time and need to store the battery. So how to store and preserve laptop battery when not in use? This article will show you how to store the best battery and some notes to increase laptop battery life.

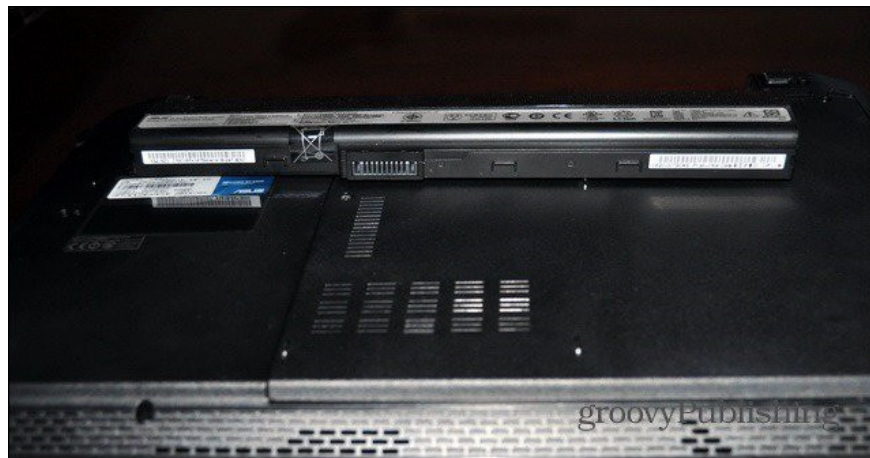
1. Should I plug in the laptop charger continuously?

## Lithium-Ion battery storage

Many people wonder if their laptop can work if the battery is removed while plugging in the charger. The answer is yes, while plugging in the AC power, your laptop will work well when there is no battery inside.

Today, 99% of laptops and other devices use Lithium-Ion batteries. Although most Lithium-Ion batteries will work well for 2 to 3 years, if you want to extend battery life, you can follow the tips.

1. Learn about some Battery technologies



Before storing the battery, make sure the battery still has electricity. Over time, the battery will leak electricity if it is stored without electricity in it because after using it again you will not be able to charge the battery anymore.

Allow the energy to be minimized when stored, or allow the battery to charge at 40%, then unplug it and store it at a controlled temperature. The table below will give you some suggestions for the ideal temperature and charging level for storing batteries.

### **Storage temperature**

**Charge up to 40% - power consumption after one year**

**Charge up to 100% - power consumption after one year**

0 ° C (32 ° F)

2%

6%

25 ° C (77 ° F)

4%

20%

40 ° C (104 ° F)

15%

35%

60 ° C (140 ° F)

25%

40%

As you can see, at 0 degrees C (meaning 32 degrees F) and 40% charge, the battery loses the least power, only 2% because the constant temperature is the most ideal temperature. Refrigerator temperatures usually range from 34 to 38 degrees Fahrenheit, so this may be an almost perfect place to store batteries. It also provides constant temperature for batteries.

## **So after charging up to 40% and putting it in the refrigerator, what should be done next?**

The problem is that when storing the battery in the refrigerator, some parts of the battery may rust, as this is a wet environment. So before you put the battery in the refrigerator, you should put it in the Ziploc bag. If you are more careful you should place the desiccant bag inside the Ziploc bag with the battery.



You should remove the battery from the refrigerator every month and perform a full discharge cycle before reinstalling, you can refer to the article [How to properly discharge the laptop battery](#). Before inserting the battery into the laptop, leave the Ziploc bag in it at room temperature, otherwise it will damage the battery seriously. If you follow the instructions above, your Lithium-Ion battery will be in excellent condition every time you use it.

See more:

1. [9 tips to extend battery life for Android phones you should apply today](#)
2. [Simple tips to help you save your laptop battery efficiently](#)
3. [The laptop series has the best battery life](#)

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