

Reasons and most effective ways to fix swollen laptop batteries

Laptop batteries swell when the battery cells release a mixture of electrolytic gases. This gas is the cause of fire, explosion, and injury.

If the laptop battery is swollen and left for a long time, it will cause serious effects on the device and the user's life. So what are the causes of this phenomenon? How do users need to solve it effectively? Join TipsMake to find out detailed answers through the following article!

Causes of laptop battery swelling

There are many reasons that cause **laptop batteries to swell** . These causes often come from users using the battery incorrectly such as:

1. The battery overheats due to the user charging it for a long time and continuously.
2. Battery is overcharged.
3. Battery life is too high.

Picture 1 of Reasons and most effective ways to fix swollen laptop batteries

In addition to the above factors, there are many other factors that cause laptop batteries to swell quickly. To identify and check the battery condition, it is best for users to take the battery to reputable electronic and computer repair service providers after 3 years of use since purchasing a new one.

Using the battery for too long causes the battery to swell, causing many negative effects on the device as well as the computer user. What these dangers are will be analyzed by **TipsMake** in the following content:

The danger of swollen laptop batteries

For cases where computer users encounter the phenomenon of battery swelling. At this time, inside the battery cells a mixture of electrolytic gases will be emitted. This gas is very dangerous, can lead to strong explosions and injuries to users.

Picture 2 of Reasons and most effective ways to fix swollen laptop batteries

To ensure the safety of users and devices, laptop manufacturers have researched and designed batteries using **Lithium Ion technology** .

The advantage of Lithium Ion technology is that it has a high power storage density, does not cause a memory effect and creates a low level of loss. However, because the battery cells are located close together, the battery cells are located closer to the outer casing.

In addition, the entire battery block is subjected to pressure, causing the computer battery to produce a large amount of heat when operating. The process of continuous heat emission, over a long period of time, causes the laptop battery to swell.

In general, to protect the safety and long life of laptop devices. Users should check regularly to find out early and identify whether the device's current battery status is swollen or not.

Signs that the laptop battery is swollen (bottle)

During use, users can still recognize when **the laptop battery is swollen** or corroded without having to go to repair facilities to open the device for inspection. There are signs that you can observe or feel for yourself such as:

1. The screen feels slightly or clearly tilted. Turning up the channel can easily make users feel uncomfortable.
2. The time to fully charge the battery and deplete it takes place more quickly.
3. The computer suddenly turns off during use.

From the above signs, it can be seen that your current laptop battery is at risk of swelling. At this time, it is best to stop using it and find a way to handle it quickly to avoid the worst situations of causing an explosion.

Picture 3 of Reasons and most effective ways to fix swollen laptop batteries

Instructions to fix a swollen laptop battery

In case you successfully identify a swollen laptop battery, you can fix it immediately to avoid possible effects on the device's performance. Tips to overcome this situation that **TipsMake** suggests include:

Do not charge or use the device continuously

After discovering that your computer has a dead battery, the first thing you need to do is remove the battery from the device immediately. Then turn off the laptop and note that you cannot continue to charge the device. Because, if you still persist in charging, the risk of device explosion will increase, possibly affecting your life.

Remove the battery carefully

Removing the battery from the device also needs to be done very carefully, because the battery is now emitting a dangerous amount of electrical gas. During the implementation process, you need to remember:

1. For removable batteries, you can easily remove the battery without much effort. What you need to do is unlock the immobilizer and get the battery. This process does not require you to use support tools.
2. As for built-in laptop batteries, the best solution is to take them to a reputable repair facility to have a technician remove, replace and reassemble the new battery for you.

Picture 4 of Reasons and most effective ways to fix swollen laptop batteries

Note to remember: During the process of removing a swollen battery, you must not squeeze, compress or do any strong actions that will cause the battery's outer shell to be punctured. In addition, after removing the battery, you should not throw the bulging battery in the trash or leave it in crowded areas. This will cause a fire and explosion hazard at any time.

In this situation, users should find a safe way to dispose of the battery to minimize these possible risks.

The safest way to dispose of swollen batteries

The best way to solve a bulging laptop battery is that you can do only one thing, which is to put the battery into a waste recycling facility. At these recycling facilities, there will be technicians to help you destroy damaged laptop batteries.

Once a laptop battery is damaged, it will cause serious problems that no computer user wants. Not only does it consume users' time, money and effort. More seriously, it can also lead to loss of human life. Therefore, to limit battery damage, users need to carefully refer to how to use and preserve the battery properly in the long term.

How to limit laptop battery swelling

Things that users need to keep in mind to use the computer battery well for a long time without damage are:

1. Place the computer in a cool, dry place during operation.
2. Do not place heat-emitting materials near the computer such as blankets, mattresses, etc. This will quickly cause the computer to overheat when in use.
3. Do not use old batteries.

And the best way for computer users is to use a genuine battery charger compatible with the device model you are using. This will help maximize battery life.

Epilogue

Through the article that TipsMake shared above, there are many reasons leading to the phenomenon of laptop batteries swelling, mainly from the process of users using them incorrectly, causing the battery to quickly reduce its life and become corroded. When you notice signs of swelling in your laptop battery, the best way is to stop charging the battery and find a way to quickly remove the battery from the computer to avoid the risk of fire and explosion. Thank you for following the article!

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