

Instructions on 7 steps to restore laptop battery quickly and effectively

How to restore laptop battery after long periods of use. Join TipsMake to learn 7 steps to restore laptop battery quickly and effectively.

Laptops after a long period of use will easily fall into battery condition, causing the battery life to be reduced. So how to restore laptop battery when it is worn out? Let TipsMake help you answer those questions in the following article.

Detailed instructions on how to restore a worn laptop battery

If you want to restore a worn laptop battery, you can apply the following steps in order to help return the battery capacity to its original state.

Step 1 : If you are plugged in directly to the charger, unplug the charging cord and continue using the device until the laptop runs out of battery and turns off automatically.

Picture 1 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 2 : Remove the battery and unplug the power source from the device.

Step 3 : At this time the battery is still hot, wait at least 30 seconds for the battery to cool. Then use a clean cloth to thoroughly clean the dirt at the contact area between the battery and the machine.

Step 4 : Reinsert the battery into the device then plug in the charger until the battery is full. Note that you absolutely must not start the machine at this time.

Step 5 : Remove the charging cord and continue to wait another 30 seconds for the battery to cool down. Then plug in the charger again.

Step 6 : After a while, you continue to unplug the charging cord and wait another 30 seconds then plug it in and continue charging until the battery is full. The reason is because the battery is worn out and after waiting for a while, the battery capacity will decrease, so recharging the device will cause the battery capacity to increase.

Picture 2 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 7: After the battery is full, continue to unplug the power source, wait a while then plug in the charging cable until the battery is full. Now, after fully charging, leave it for another 1-2 hours before unplugging the charging cord.

Note: During the charging process, if you detect that the battery is too hot, you must immediately unplug the charging cord and wait for the battery to cool before recharging. Repeating the above steps at least 3 times during the maintenance process will help increase the battery's lifespan and the battery will no longer wear out as much as it did initially.

Some notes when charging laptop batteries

To prevent the laptop battery from draining, users need to pay attention to the following issues when charging the laptop battery:

1. Plug the power plug into the power outlet first and then plug the other end into the machine to limit sparks that affect the battery and internal components.
2. In case you need to charge the battery, please continue until the device is completely full. Do not unplug or plug in the power source suddenly to avoid battery damage or causing flickering when charging.
3. When you do not need to use the laptop for a long time, you should remove the battery from the device to help the battery maintain a stable level and not affect the chemical components inside.
4. Turn off connections to peripheral devices such as headphones, USB,. when not in use.
5. You should combine the use of battery management and saving software or CPU speed adjustment software (if any) to extend battery life.
6. Turn off background applications when not in use.

Picture 3 of Instructions on 7 steps to restore laptop battery quickly and effectively

Solution for when laptop battery is depleted

To solve the problem of battery wear, users need to pay attention to the process before and after the battery is worn out. Here are some tips to help you optimize laptop battery life as well as solutions when the battery is worn out.

Optimal solution for battery life

To help the battery last longer and have a longer life, users need to pay attention to the following issues:

1. Choose the appropriate screen brightness

If you want to save battery life and limit battery drain, you should turn off the automatic screen brightness adjustment feature on Windows laptops. At the same time, you should choose the appropriate screen brightness to avoid wasting power and help the battery work harder.

To adjust the light intensity manually, users go to **Start** , select **Control Panel and open the Power Options** window . Then set **Balanced** mode to activate the smart light balance feature on the laptop screen. **Or you can also choose Power Save** mode to save power for your laptop and help the battery last longer.

Picture 4 of Instructions on 7 steps to restore laptop battery quickly and effectively

2. Preserve and clean the connection point

Dirt and rust are factors that negatively affect the charging process and overall battery performance. Therefore, users should regularly clean the contact points between the battery and charging cord with alcohol or soft cleaning products to ensure the connection process goes more smoothly.

3. Reduce maximum load - optimize longevity

When users open too many tasks at the same time and do not use them, it will reduce the performance of the device and cause the internal components of the device, including the battery, to be easily damaged. Therefore, users should reduce the load on the CPU by turning off unused tasks or applications running in the background and only opening tasks that are truly necessary.

How to fix a worn laptop battery

To solve the problem of laptop battery drain, in addition to the recovery instructions above, users can also apply one of the following options:

1. Cool your laptop

For laptops using **lithium ion batteries**, you can improve battery performance by cooling the laptop through the following measures:

1. Place the laptop in a well-ventilated place, do not place it on air-blocking objects such as pillows, blankets, mattresses, glass surfaces, etc. during work.
2. Regularly clean the heatsink and cooling fans.
3. Use a heatsink or apply thermal paste to the CPU.
4. Limit the situation of opening too many tabs at the same time or do not turn off applications running in the background while operating.

Picture 5 of Instructions on 7 steps to restore laptop battery quickly and effectively

2. Use laptop battery reset software

Laptop battery reset software is a specialized software used to restore battery capacity to its original state. However, most laptop battery reset software has a quite high price and the implementation method is also extremely complicated. Therefore, it is best for users to bring the battery to reputable laptop repair and maintenance centers to receive support in charging/discharging the battery with this software.

3. Cheap battery cell replacement

Replacement batteries or OEM batteries are a cheap battery used to temporarily replace laptop batteries that are worn out and can no longer be used. One of the most outstanding advantages of this OEM battery is that it is quite cheap and extremely easy to buy. However, the quality of OEM batteries will certainly not be equal to genuine batteries.

Picture 6 of Instructions on 7 steps to restore laptop battery quickly and effectively

To replace a worn laptop battery, you can follow these steps:

Step 1: Remove the battery from the laptop and use a small knife to gently separate the battery case without touching the circuit and other components.

Step 2: Carefully review the battery parameters printed on the case to ensure the battery you buy is the same type as the worn laptop battery. At the same time, you must also be careful not to break or warp the connectors and circuits to avoid the laptop not receiving the battery or short circuit.

Step 3 : Use a Volt meter to measure the voltage of the battery to ensure the batteries have been fully discharged, avoiding the situation of your laptop getting an '**electric shock**' when installing a new battery.

Step 4 : You solder the batteries together according to the old battery diagram. Check the connections and wires to ensure they are soldered to the correct voltage terminals.

Step 5 : Finally, just use tape to adhere the solder joints and install the battery into the laptop. Then plug in the cord and start charging as usual.

4. Buy genuine laptop batteries

Among the options listed, this is the simplest but most effective option. Buying genuine batteries of the same type to replace not only ensures the quality of the battery but also limits problems that can occur with your laptop like when using OEM batteries.

However, in addition to the high price, some current laptop models are difficult to find and buy the correct genuine battery to replace. Therefore, this option is only really suitable for certain models.

The software helps save battery capacity

No matter what brand of laptop you are using, after a while, the battery will degrade and become corroded. Therefore, recalculating the battery capacity is necessary to help prolong the battery's life and ensure the battery operates more efficiently.

Picture 7 of Instructions on 7 steps to restore laptop battery quickly and effectively

To do that, you need to install battery optimization software or activate battery saving mode on your computer. Specifically:

Battery Doubler – software to optimize battery capacity

Battery Doubler is one of the best software to optimize battery power for laptops today. This software will automatically adjust the reading speed of the CD drive, select the appropriate screen brightness, etc. to reduce the laptop's battery power consumption.

In particular, for applications running in the background that are at risk of draining your battery, this software will immediately disable them. Thanks to that, the device's battery life will be extended by 2 times compared to normal.

Some outstanding features of Battery Doubler:

1. Optimizing battery power helps laptops last longer.
2. Automatically adjust parameters to suit each laptop.
3. Turn off unnecessary applications to reduce battery loss.
4. Increase battery usage time by 2 times compared to normal.

Battery saving mode integrated on laptop

You can adjust battery consumption on your computer in the following ways:

Step 1: Charge the battery to 100% and let the device maintain charging status for about 2 hours.

Step 2 : Click the **Start** button in the bottom left corner of the screen or the Windows icon then search for the **Control Panel** tool and select **Power Options** .

Picture 8 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 3 : In the **Power Options** window , click **Choose when to turn off the display** on the left side of the interface.

Picture 9 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 4: A new window appears. Click on **Change Advance Power Settings**.

Picture 10 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 5 : Next, click the + icon in the **Battery section**. At this point, a few options will appear, click on **Critical Battery Action and turn on Hibernate** mode . Then select the **Critical Battery Level** option and set it to **5%** .

Picture 11 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 6 : Unplug the charging cord from the device and leave the device in operating mode until the energy is almost gone. At this point, your laptop will automatically turn on the **Hibernate** feature .

Step 7 : Make sure the device does not automatically enter **Hibernate** or **Sleep** state . If you let the device fall into these states, the battery will not discharge naturally.

Step 8 : To discharge the battery when not using the device, in the **Power Options** window, click **Edit Plan Setting** and select **Choose when to turn off display**. A new settings panel will appear, now you just need to select **Balance** and set all options to **Never** .

Picture 12 of Instructions on 7 steps to restore laptop battery quickly and effectively

Step 9 : Leave the machine in operating mode for 5 hours until the machine turns off automatically. Now you just need to plug in the device to charge it until the battery is 100%. Also reset the battery calibration settings back to normal.

Epilogue

Above are simple and effective ways to restore broken laptop batteries that can be done right at home. Thank you for taking the time to follow TipsMake's article. Don't forget to share this useful information with other readers.

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