

What is a laptop battery cell? Is it good to replace the battery cell and reuse it?

When buying laptop batteries, we often hear terms like 3 cell, 4 cell or 6 cell batteries. So what is a laptop battery cell? Is replacing an old battery cell as good as before?

As a highly portable device, laptop battery is a very important factor that users care about when choosing to buy a laptop. And to evaluate the quality and capacity of laptop battery, people often use the term battery cell. For technical people, laptop battery cell is not a new term. But for most users, laptop battery cell is a rather strange concept. To help you answer these questions, today TipsMake will help you understand the concept of what is laptop battery cell? Should laptop battery cell be replaced or not?



What is laptop battery cell?

Just like other components in laptops, laptop batteries are also clearly marked by manufacturers on the product parameters. We are all too familiar with types such as: 4-cell laptop batteries, 6-cell batteries, or lower capacity types such as 2-cell, 3-cell batteries. So what are cells in laptop batteries?

Laptop battery cells are essentially small batteries that are usually Li-ion batteries that are assembled together to achieve the appropriate capacity, optimized for each laptop configuration, maintaining stable operation according to the manufacturer's production purposes as well as the consumption needs of each customer. Each laptop battery cell is a Li-ion battery with a voltage of 3.6-3.7V, a capacity of 2200-2600mAh, cylindrical in shape, 18mm in diameter, 65mm high, relatively similar to a large battery.



What is a cell in a laptop battery?

How long does a 3 cell laptop battery last? How long does a 4 cell, 6 cell laptop battery last?

Do you wonder **how long a 3-cell laptop battery can last** ? Currently, there is no formula to calculate how long each laptop battery cell can last. This depends on how you use it, the tasks of the machine, and the mode of use. According to experience in using laptops, a 3-cell battery can usually last about 2 hours, while a 4 to 6-cell battery can last from 2 hours to 2 hours and 30 minutes of work.

Based on the above information, we can see that the battery cell in a laptop is actually just information that counts the number of small batteries inside a laptop battery. Therefore, this is not a factor that can evaluate whether your laptop battery is strong or not. It is impossible to estimate exactly how long a 3-cell laptop battery will last. Determining battery usage time through battery cells is only relative.

Should I replace the laptop battery cell? Will the battery cell work as well as before?

Like any other electronic device using batteries, after a period of use, laptop batteries will show signs of deterioration (reduced actual capacity). That is why regular users often talk about replacing laptop battery cells to save costs as well as restore the laptop battery to its original state.

Replacing laptop battery cells by laptop repairmen is essentially checking and removing damaged, worn out battery cells with new ones. This operation usually starts with measuring the voltage or basic parameters to calculate and choose suitable replacement battery cells. For experienced technicians, using standard battery cells, replacing battery cells will not cause any problems. But if there is a problem, not according to technical standards, you can easily encounter situations such as the battery being hot, swollen, or even short-circuiting.



So can a laptop battery cell be used like the original genuine battery?

In the past few years, replacing battery cells was quite popular because it was more economical than buying a new genuine battery. But it also has many limitations. Replacing laptop battery cells will not help you restore your laptop battery like the original genuine battery. Because most laptop repairmen today when replacing battery cells often use non-genuine batteries, often originating from China or even boiled from old laptop batteries replaced by other customers. And of course, this cannot be compared with genuine battery cells, which are carefully measured and tested during the production process as well as leaving the factory.

In addition, the completed laptop battery is a homogeneous block of components and internal circuits. If disassembling and reassembling is not done correctly, these parts will not fit together, operate unstably, and flicker during use.



Through the above information, you must have imagined what a laptop battery cell is, right? It can be seen that saving a small amount of money, from just a few tens to 1-200 thousand to replace a laptop battery cell, but with too many risks compared to replacing a laptop battery, is not worth it, right?

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