

# Common mistakes when charging the phone

Mistakes when charging the battery will cause the battery to fail quickly, properly charging the phone battery not only helps the battery more durable but also helps the machine work more stably. If you are suffering from these common battery charging errors, you should check it out immediately.

One of the biggest drawbacks on newer smartphones is the fast battery bottleneck, in which no small cause comes from our own charging method. The battery for smartphones today is a Li-ion battery, with a very separate charging method and different from the "traditional" batteries. Therefore, we have more or less made the following common mistakes.

## 1- Charge again when the battery is full

For Li-ion batteries, users should not continue to charge when the battery is full, because when the battery has reached 100%, charging will have to continue to maintain the charging current at a very small level to keep the battery from being when the charger is plugged down, they call it "drip charger". This type of charger will cause the battery to switch back and forth between the two charging and discharging states continuously, causing the battery to be severely stressed affecting the chemicals in the battery.



The withdrawal of the charger after being filled like a person relaxes his muscles after a stressful working day, the withdrawal of the battery will help the battery chemicals to be stabilized in a state and difficult to age.

1. Room, avoid and cure the phone when the battery bottle

## 2- Fully charge up to 100%

In fact, many studies show that Li-ion batteries are not needed or should be fully charged to 100%. Because, in theory, Li-ion batteries will gradually increase the voltage from **3.8** to **4.2V** after being fully charged, but the higher the voltage, the faster the chemical in the battery will react, leading to fast aging than low voltage level.



It is for this reason that Li-ion batteries are expected to have the longest life expectancy when maintaining the battery level below **100%** .

## 3- Charge a circuit until the battery is full

It is not necessarily a concept, but it is a habit of smartphone users to lighten up the phone to plug in the charger to the morning. It is quite suitable for the schedule of most users. In addition, many people still believe that the Li-ion battery has a fixed number of charge times and each time the user unplugs the charger to plug it in, it will count as one charge, thereby reducing the battery's life by a fraction.

But as mentioned above, Li-ion batteries are very sensitive to large changes in electricity. Therefore, the charging method helps the most durable Li-ion battery to be charged every time it loses **10% of** capacity. And also, there is no story that every time the charger is unplugged and the battery is plugged in, it will be counted as 1 charge. If you do not believe you can see the number of cycle count on your iPhone by this way to see if the number of cycles count increases or not?



But obviously, this charging method is not suitable for today's phone use habits because no one takes time to charge the phone battery 1 hour 1 time. Therefore, experts recommend that the battery be charged continuously during the day as soon as possible, charging the battery into small tens of percent each time will make the battery work more sustainably than using up the battery and charging 1 the circuit comes full.

The continuous charging of the day is not only to protect the phone battery, but it also helps users not to worry about battery capacity when leaving the office. In addition, the excess energy will help you comfortably turn on all the features that you normally turn off just because it sucks the battery too horrible such as 3G and GPS services.

These are just the opinions that we have compiled, which may not be 100% accurate. You can refer to the application and share your own views with us in the comment section below.

#### **4- Wear the phone cover when charging**

Smartphone batteries are very sensitive to temperature. Apple has also advised users that it is advisable to remove some phone covers when charging, as it can keep the heat and make the phone hotter while charging: "If you see your device getting hot during charging, Please untie first ". When the phone is out of hot, you can attach the panel to the phone, thus helping to maintain "battery" for the battery.

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