

# How to use the phone battery properly to increase the life of your battery

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One of the scary things about smartphones at the moment is the "battery bottle", this scary thing not only costs money but also affects many other problems. When you have to replace the battery, one of the first things we have to lose is money, followed by the waterproof feature and "zin" of the machine. Therefore, preserving the phone battery properly is a very necessary thing, in this article, Software Tips will guide you how to use the phone battery properly to increase the life of the battery.



## 1. Unplug the phone charger when full

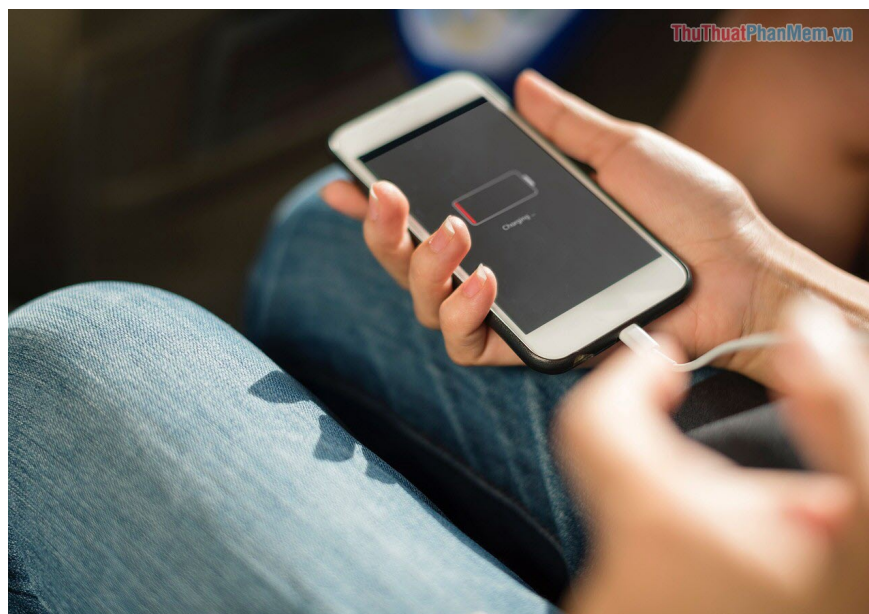


This is a very simple but extremely important job in protecting your battery before it gets bottled up. People often say the new generation of Lithium batteries today are very smart and it is enough to understand that when fully charged, but turn off the charger. But continuous charging will damage the battery, because when we plugged in for so long will generate heat, heat will deform or wear out the components on the battery.

Not only that, when we plug in the battery constantly, the voltage will increase. The increased voltage puts direct pressure on the internal battery cells and shortens their lifespan.

A very simple step at unplugging the charger at the right time will help you a lot in protecting the battery from being bottle or bottle longer.

## **2. Do not let the battery run out of 0%**



Previously we heard a lot of information like: "Charge - Discharge", What is charge - discharge? Charge - Discharge is when you use up the battery and fully recharge it more than 5 hours. This was true in the past, because in the beginning we were still using Nickel cadmium (NiCd) batteries, the characteristic of NiCd batteries is that if the battery is not fully discharged and we charge it, it will quickly decrease its life. But that is only the story of the year 80.90.

Today most electronic Batteries use Lithium - ion batteries and the principle of operation of Lithium - ion batteries is completely different from NiCd batteries. So making the battery depleted to 0% does not contribute to increasing the battery life, sometimes making the battery unable to charge anymore because the battery has completely discharged from the battery. When the battery is completely discharged, the normal charger cannot be activated, but you need specialized devices to enable it. So you should immediately give up the thought of using 0% before charging offline!

### **3. Limit using just charging**



The problem of using and charging at the same time, everyone must have it and it is hard to avoid. The battery on the phone has not been designed as smartly as on the Laptop, on the Laptop when you plug in the charger, the computer will use the current from the charger and divide a charging current for the battery. Because of that, the laptop battery will be rest when being charged on the laptop, not discharge.

But on the phone, when you charge, your battery will fall into the state: Just charging - Just discharging current. Having to carry on both tasks at once makes the battery work a lot and generates a lot of heat. Thermal energy will affect the components in the battery. Charging and using it is hard to avoid, but we can avoid it sometimes.

### **4. Use the correct charger according to carrier or recommended**

## NON-QUICK CHARGE COMPATIBILITY

Quick Charge 3.0 port charges non-QC devices, like the iPhone, at high speed.



Currently all manufacturers have different types of chargers equipped with fast charging technology. Different fast charging technology has different specifications, so the wrong use of charger will make the power input wrong and cause damage to the battery.

But some companies cut fast chargers to save cost, so you can buy fast chargers that the company recommends (the right fast charger) to use. Some famous brands of phone chargers you can refer to are: Aukey, Anker, Apple,

## 5. Limit Wifi transmission



Wifi feature on the phone is useful but it will cause long-term damage to the battery. Even if you start this feature, the manufacturer warns you about reducing the battery life. Because of this, you restrict the use of Wifi on your phone, it both heats up the phone and affects the battery of the phone.

In this article, the software tips have shown you how to use the battery effectively without reducing its life expectancy. Good luck!

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