

# Why does the phone battery drop faster every winter?

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The explanation for this is quite simple, which is due to the nature and structure of current Lithium-ion batteries. Lithium-ion batteries are now commonly used on most types of mobile devices, but they still have the irreversible feature of the weather.



If the temperature is too high or too cold, the battery cannot maintain stability. In the case of extreme cooling, the battery life will be reduced due to slower chemical reactions between the two internal electrodes.

Until now, scientists still understand the principle of balance in phone battery so it has not been able to work out the solution to the situation that the phone battery will drop faster in the winter, especially in Western countries. , when in winter the temperature can drop below 0 degrees Celsius.



According to many users, their smartphone tends to shut down significantly faster in the winter than at other times of the year if the battery level is low. For example, in the winter when the battery drops to 10% it is more likely that the phone will be powered off suddenly, while at other times of the year, 10% battery life is still enough for you to take the device to plug in without charging. Power off.

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