

# What s the problem with the battery voltage being high but the current being low

Why is my car battery voltage too high?

Check to see the reading and if it is over 12.9 volts, your battery may have excessive voltage. 12.6 to 12.8 is the ideal voltage level for your battery. Anything lower than that is a completely different set of problems.

Also Read: [Why Do Car Batteries Corrode](#)

What does a high battery voltage mean?

Whenever your battery voltage is high, it means that the cells are fully charged. This is not necessarily a bad thing, but it can be if the cells are overcharged. When this happens, the battery can be damaged. If you find that your car's battery voltage is always high, have it inspected by a mechanic immediately.

What causes low battery voltage?

The battery voltage can drop due to lots of root causes. Low battery voltage can stem from a faulty alternator, an aged battery, extended periods of inactivity, an extra electrical load, or faulty connections. It is also one result of the circuit restricting the operation of multiple electrical components.

Why is my car battery voltage fluctuating?

Battery voltage fluctuations mean that your car's battery is not being charged properly. This can lead to all sorts of problems, like your car not starting or the battery dying quickly. If you notice that your battery voltage gauge is fluctuating, make sure to take your car to a mechanic so they can figure out the problem.

Why does my battery voltage go down when I stop driving?

This is normal! When you stop, your car's alternator stops charging the battery. This is why your battery voltage goes down when you stop. However, it should go back up to 13 or 14 volts once you start driving again. If it doesn't, there may be a problem with your alternator or voltage regulator.

Why is my car battery not working?

Corrosion is a common problem, mainly when batteries are involved. Corrosion weakens the battery and keeps it from supplying the optimum amount of energy to the auto, eventually declining the voltage gauge and the car battery voltage fluctuation while running. Check the battery surroundings by opening the battery hood.

2 ???&#0183; It is necessary to seek professional help for high battery voltage when the voltage reading exceeds 12.6 volts for a standard car battery. High voltage may indicate overcharging, which can damage the battery and other electrical components. If you observe a voltage consistently above 12.6 volts, check for warning signs. Look for battery swelling, leakage, or ...

Summarise the voltage is too high belongs to overcharging, overcharging will damage the internal structure of

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the battery, resulting in reduced capacity or shortened cycle ...

There are electrical and mechanical challenges to producing higher voltage battery packs. With a given battery chemistry, like today's lithium-ion cells, a highly serialized cell count is necessary to increase the battery pack voltage. One mechanical challenge is that for a specific vehicle type, the space available for the battery pack is ...

Therefore the voltmeter reads the emf of the battery when the switch is open:  $E = 6.09\text{V}$  When the circuit is closed, the ammeter reads a current of (1.44A) passing through the resistor, and since the ammeter is in series with the battery, this is the current flowing through the battery's internal resistance. The ...

Regular battery maintenance, such as cleaning the terminals and keeping the battery fully charged, can prevent most battery-related problems. However, if you're unsure, it's always best to seek professional help.

Why is my Car Battery Voltage Too High? There are a few reasons that can cause your battery to have a high voltage. Your battery could have a loose connection. Loose connections disrupt the flow of electricity so your battery can either be improperly charged or improperly discharged. Symptoms of a loose connector could be your car struggling to ...

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To troubleshoot, check for shading on the panels, faulty wiring connections, or incorrect settings on the charge controller that could be causing the high voltage output. Addressing high solar panel output voltage promptly is essential to prevent potential damage to the system components and guarantee performance. Low Solar Panel Output Voltage ...

The max current is determined by it's internal resistance. Many 4.2V lipo batteries can supply much more current than 9V batteries since they tend have lower internal resistances. That being said, the maximum current you can safely draw from a battery is often related to its capacity (see C ratings), but this varies battery to battery ...

Why is my battery voltage going up and down? Here are 6 common culprits: a poor alternator, an old battery, an abandoned car, loose connections, battery corrosion, and high electricity demand. Among them, a ...

Fluctuating battery voltage can be caused by a bad connection or a problem with the alternator. Start by cleaning the battery terminals and cables of corrosion and deposits, and then directly measure the voltage across the ...

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That would explain why the voltage is high when there is no current but why there is no voltage when there is current. The more current is drawn by the battery, the more voltage is dropped across the internal ...

If the voltage of your battery is below 12.2 volts, it is the sign of a low battery. What happens if I use the wrong voltage battery? The use of a wrong voltage battery may result in different issues. It depends on whether the battery voltage is lower or higher than the required one. If the battery voltage is high, it may cause the devices to ...

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The battery voltage is usually around 12.x when this happens Turning off the motor and restart, and the lights are out, and the battery voltage is a bit higher in the low to mid 13"s. In the fall of 2019 the dealer changed out the batteries and it fixed it through the winter, but as soon as the temps got hot again in early last summer, it started doing the same thing. No ...

Car battery has 12V but can output hundreds of amps. This makes it safe to touch since the voltage isn't enough to conduct human skin. But I don't understand since from Ohm's law, ...

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