# Aluminum acid battery has voltage but no current

Can a car battery have a high voltage and still be defective?
One of the many problems is no amps on the battery even though it shows voltage in the reading. Another question that you may ask regarding the problem is - "can a car battery have a high voltage and yet be defective?' The answer is yes!It is possible.

Why does my car battery have volts but no amps?
Another common reason behind a car battery having volts but no amps are bad contactsomewhere between the rectifier and the load of the battery. You need to between the load and the anode bar to know if this is the case. If you see a drop in voltage when testing it,you can confirm that there's a bad connection.

Can a battery have 12 volts and still be defective?
Yes,a battery may have 12 volts and still be defective. A lot is riding on the volts your vehicle battery or any battery displays. It tells if the battery is good or poor,and the volt can tell you how charged the battery is. How? I'd describe this voltage in terms of science so you could grasp it.

Why do batteries have a low amperage?
It's the opposition within the battery to the flow of current. As batteries age or undergo multiple charge-discharge cycles,their internal resistance increases. This increase can lead to a situation where,despite showing adequate voltage,the battery can't deliver enough current,resulting in no effective amperage.

Can a battery have voltage without significant amperage?
In wrapping up,it's clear that a battery can have voltage without significant amperage. This phenomenon often signals issues like high internal resistance or battery wear. Understanding this concept is not just about satisfying curiosity; it's crucial for ensuring the reliability and safety of the devices we depend on daily.

What is a good voltage for a battery?
A good battery ought to be slightly higher than 12 voltsat rest and climb to around 13.5 volts when charged. The voltage of a battery under load is its evidence. Why do I have Voltage but no Amps in the Battery? A faulty connection anywhere between the rectifier and the load is by far the most typical reason for no amperage.

Why do I have Voltage but no Amps in the Battery? A faulty connection anywhere between the rectifier and the load is by far the most typical reason for no amperage. Test the voltage across the load and the anode bar to see if this is the situation.

Why do I have Voltage but no Amps in the Battery? A faulty connection anywhere between the rectifier and the load is by far the most typical reason for no amperage. Test the voltage ...

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Lead acid batteries are heavy and contain a caustic liquid electrolyte, but are often still the battery of choice because of their high current density. The lead acid battery in your automobile consists of six cells connected in series to give 12 V. Their low cost and high current output makes these excellent candidates for providing power for ...

Aluminum is a promising anode material in the development of aluminum-ion batteries that may be an alternative to lithium-ion batteries. Aluminum has a low atomic weight (26.98 g/mol) that is still higher than lithium (6.941 g/mol), but ...

The main reasons behind a car battery has voltage but no amps are a dying battery, bad contact between rectifier and load, loose connection, malfunctioning battery cell, and high resistance. You"d have to replace the ...

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 resistance and therefore the less voltage actually appears on the battery terminals.

The design battery energy density is 1300 Wh/kg (present) or 2000 Wh/kg (projected). The cost of battery system chosen to evaluate is US$ 30/kW (present) or US$ 29/kW (projected). Al/air EVs life-cycle analysis was conducted and compared to lead/acid and nickel metal hydride (NiMH) EVs. Only the Al/air EVs can be projected to have a travel ...

Internal Resistance: High internal resistance can lead to a situation where a battery shows voltage but no current. Battery Age and Usage: Over time and with use, batteries may retain voltage but lose their ability to deliver current. Safety First: Always follow safety guidelines when testing and using batteries.

Large voltage at zero current! Blasphemy!!! So, if voltage isn"t caused by current, what then causes voltage? Simple: electric charge causes voltage, since electric charge is permanently associated with e-fields, and voltage is simply a description of e-fields. The misconception about current causing voltage seems to have a specific origin. In ...

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$begingroup$ In the circuit you have shown, yes current does flow through the 1GOhm resistor. As to the broader question, "does Ohm"s Law apply when the resistance is infinite?", personally I"d waft that away by saying ...

There has been researched on several types of rechargeable batteries for the energy storage market including

lead-acid, nickel-cadmium and nickel-metal hydride batteries. However, they are still not able to meet the requirements to qualify as efficient rechargeable batteries. For instance, lead-acid batteries with an energy density of 30-40 Wh kg -1 and ...

It"s the most common voltage rating you"ll see when shopping for batteries. For example, a lithium-ion battery has a nominal voltage of 3.7V. Open Circuit Voltage (OCV): This refers to the voltage of a battery when it is not connected to a load (i.e., when no current is being drawn from it). This is often used to measure the "resting ...

The lead acid battery uses the constant current constant voltage (CCCV) charge method. A regulated current raises the terminal voltage until the upper charge voltage limit is reached, at which point the current drops due to saturation. The charge time is 12-16 hours and up to 36-48 hours for large stationary batteries. With higher charge currents and multi-stage ...

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 ...

In theory if you take a multimeter and probe from one battery terminal to the air in the middle of the 2 terminals you should have seen half the battery voltage. But you do not. In ...

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