Is the negative pole of the battery equal to the ground

What is the difference between a ground and a negative battery?
Ground refers to the path voltage that takes back to the battery negative after the load, and negative refers to the identity of the negative post of the vehicle's battery. You may also find the following posts helpful: Unmarked battery terminals Car fuse keeps blowing

Is a battery a ground?
However, anything not connected to the earth (such as a battery powered device, or a vehicle) still employs a common node commonly called a ground. When you use the negative terminal of the battery as a "ground" it is really just the common node (return) of the circuit.

Why is a negative terminal used as a ground?
When you use the negative terminal of the battery as a "ground" it is really just the common node (return) of the circuit. A circuit has to have a closed loop for current to flow,and using the negative terminal ensures that all of the components have an identical reference point.

Why do we put a negative cable to the ground?
We place a negative cable to the ground instead of the negative terminal to prevent an explosion. Avoiding sparks near the battery is the main reason for the common advice to make the last connection to ground away from the battery on the vehicle with the dead battery.

What's the difference between a positive and negative battery terminal?
In these,the positive battery terminal is connected to the chassis,so the "supply terminal" is the negative one. Don't install a normal car-radio in an old VW,because it will short out or catch fire when you turn on the ignition. Power supply was backwards.

Is ground a negative terminal of a power supply?
@jrista: Yes,"ground" is usually the negative terminal of the power supply. In many circuits,you will see ground symbols scattered around the drawing - these should all be connected together. Using ground symbols like that is intended to reduce congestion in the drawing.

There are only two conditions where direct power connections to the battery negative are acceptable, anything else is risky. (1)- when the device"s internal circuitry fully isolates the negative power lead from the cabinet and all other external ports or leads exiting the device (2)-when the device"s external connections completely and reliably float from ground, and any ...

Of course the battery as total system is neutral, but we assumed that we connect the earth only to the negative terminal chunk inhabited with all theese electrons (=magnesium electrode); which are "given up"

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by the ...

The voltage you measure between ground and the negative terminal of the battery and the voltage you measure between ground and the positive terminal of the battery are both "meaningless" in the sense that they can in principle "be whatever", but subtract them and the arbitrary part (potential difference between different circuits) cancels out and you should ...

Assuming a bipole DC system (see Fig. 1 (c)), there are pole to ground faults (negative or positive), pole to pole faults and AC side faults. There is also the possibility of pole to pole to ground fault although this is extremely unlikely and virtually impossible if the two conductors are in separate cable assemblies.

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Assuming these statements are true...then why is the term "ground" (primarily) or sometimes the symbol for "earth" used so extensively in electrical circuit diagrams? Why is it ...

As (hopefully) you know, the reason for making the last connection the negative one, is the vehicle"s chassis being connected to the negative pole of the battery, so there"s less danger of slipping and making a really impressive spark should the chassis be contacted with the positive cable, and ensuring that the last connection to be made is far from the battery.

The battery has an surplus of (negatively charged) electrons. These electrons will flood into my body creating a measurable electric current until a charge balance is created ...

Which cable indicates the ground of a battery? The negative cable indicates the ground connection of the battery and is mostly connected to the chassis of the vehicle which ...

At the same time, the negative pole of the battery is -1.5 V relative to the positive pole. Now suppose you connect two AAA batteries end to end. Then, the voltage at the positive terminal ...

I understand that, if charging a car battery without removing it from the car, you should attach the negative crocodile clip not to the negative of the battery but to a metal part of the car; most cars, in fact, have a specific metal thingy to attach ...

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