

What is the voltage of the photovoltaic combiner box module

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Why exactly does the voltage drop in R1 change when I add another resistor to the circuit? I understand that it has to change according to Ohm's Law ($V = IR$), but how does the amount of charge moving

How would one go about using a 12 V DC power source to power something which needs 4.5 V DC using resistors? Is there a way to determine how much adding a resistor would drop the ...

The total voltage you get from one out and back, even with a high temperature difference is pretty small. By putting many of these out and back combinations together, you can get a useful voltage. A single ...

Voltage instead "regulates" how fast a motor can run: the maximum speed a motor can reach is the speed at which the motor generates a voltage (named "Counter-electromotive force") ...

The reason the voltage across the motor dies away slowly is because in the absence of current driven through it, it becomes a generator. That is, the spinning rotor has momentum, and ...

And also if voltage is like gravitational potential energy, how does more voltage mean more current? And here our nice analogy breaks down. In this sense voltage is more like pressure in ...

That means that there was voltage just before you measure the current. If you have an ideal inductor (or a non-ideal one made with superconducting wire) the DC current can indeed be ...

Obviously order is important, since for two points in the circuit A and B, $V_{BA} = -V_{AB}$. Bibliographic reference: If the same letter is repeated, that means a power supply voltage: V_{cc} is the ...

In this case, the voltage across the current source I depends only on R. With other words: The voltage across a constant current source depends on the external network only. ...

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The reverse voltage is the voltage drop across the diode if the voltage at the cathode is more positive than the voltage at the anode (if you connect + to the cathode). This is usually much ...

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