



Site power-calculation com batteries in parallel voltage calculation

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If you're using a dual, triple or even quad battery vape mod (yep, that's a thing now!) it's often important to know the combined voltage, capacity and current (Amps) of the batteries you're using to power your device.

It couldn't be easier; Just input the number of batteries you're using, whether they're in series or parallel, the current rating (CDR), capacity (mAh) and the voltage of your individual batteries. Hit the calculate button and our Series Vs Parallel Battery Calculator will give you the total combined voltage, CDR and capacity of your batteries!

Please note, if you're using a mechanical mod powered by more than one battery, you'll want to take the results from this page and head over to our Power, Resistance & Current Calculator. On that page you can enter these results (and the coil build you're using!) and we'll let you know if your setup is safe to vape!

Working out whether your batteries are in series or parallel couldn't be easier. If the mod you're using is in a parallel configuration, both the positive and negative ends of each battery are connected together or touching;. For example = + + / – –

Alternatively, if your batteries are in series the opposite is true. The positive end of one battery will connect to the negative end of the other battery. For example = + – / + –

We hope you've enjoyed using our Series Vs Parallel battery calculator to work out your combined voltage or current capacity. If you've got any questions please feel free to drop us a comment below!

Hi there. I'm making a massive 72 volt ebike battery. It will have 20 setsof batteries, 1 series and 20 parallel in each set. The batteries are 3.7v 2500mAh with a continuous maximum discharge of 40A. Can you figure out the total capacity and current numbers for me. Thanks. Frank. * ***** + *
***** + * ***** + * ***** + *
***** for a total equailing 20 times

Note: For the above circuit the resistors values should be selected using the same formula given above.A demo project using the above technique is made with arduino uno. Project contains free source code and circuit diagram. If you are interested take the tutorial. The link is below.



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