

For the purpose of a project I wish to power an arduino using a supercapacitor charged to 5V. The supercapacitor will be fed straight into the power Vin and GND terminals on the Arduino. No ...

Is the formula for capacitance of a supercapacitor $C = \epsilon(A/d)$? Since a supercapacitor does not have a dielectric, then will the permittivity be the permittivity of free space ?

How to make supercapacitor charger with overcharge protection? Ask Question Asked 8 months ago Modified 8 months ago

I'm having trouble understanding how high ESR affects the charging current of supercapacitors. I also need some equations to help clarify this. I'm using a supercapacitor array: 7 ...

From what I found the data sheets usually only specify the nominal voltage, not Absolute Maximum Value or similar. I need to use supercapacitors for a project where they will run for a total ...

What's the formula to calculate how many seconds a supercapacitor can provide power when employing a buck/boost converter? Also, how different would that calculation be when using a pair of superc...

I have some 2.7 V, 500 F supercapacitors and I would like to quickly charge them from two 18650 VTC6s in parallel. I made this simple circuit and I would like to make sure it works before I ...

The question doesn't contain a link to a specific datasheet for a Lithium Ion supercapacitor, but looking at the example for the CAP-XX LY13R8 RADIAL LEAD LITHIUM-ION ...

A supercapacitor or Electric double-layer capacitor (EDLC) is functionally no different from a polarized capacitor, at the schematic level-of-abstraction. Hence, there is no standard symbol for it ...

I'm working on a small project and would love a sanity check on my schematic (will attach below) -- especially from anyone experienced with ESP32 power design and supercapacitor setups. ...

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