

## Re: Very low power, power supply

**Source:** <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-03/3053.html>

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I read in sci.electronics.design that Paul Burke <[paul@scazon.com](mailto:paul@scazon.com)> wrote (in <[39t14hF4mtp4kU1@individual.net](mailto:39t14hF4mtp4kU1@individual.net)>) about 'Very low power, power supply', on Thu, 17 Mar 2005:

>Don Pearce wrote:

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>> *You don't need a power supply. Put all the LEDs in series with each other, and with a 5.6k resistor. Get a resistor with a power rating of about 5 watts.*

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>*Or a 250Vdc/160Vac 0.47uF cap. (assuming 60Hz) (about 50p from Farnell), then it doesn't get warm.*

You need some resistance in series to prevent the inrush current zapping the LEDs and/or the cap. For 120 V mains, 470 ohms 0.5 W may be enough.

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Regards, John Woodgate, OOO - Own Opinions Only.

The good news is that nothing is compulsory.

The bad news is that everything is prohibited.

<http://www.jmwa.demon.co.uk> Also see <http://www.isce.org.uk>