

Re: Big capacitors

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Nick wrote:

Thanks for the magic words 'memory backup'; I see even Maplin sell them.

I need them to keep an ADSL modem alive during mains brownout conditions. Tried a cheap UPS but it didn't stop the brownouts reaching the modem and latching the firmware/hardware.

Hmm, typically these will draw several hundred mA. A 0.1F capacitor will keep the supply up for a few seconds, which may be enough or may not.

It seems rather more straightforward to get some batteries always-being-trickle-charged instead.

And you might want to stay away from the "memory backup caps" (which are optimized for a discharge current way below a mA) and stick with a conventional electrolytic. 100000uF at 16V is like \$10 here in the US.

Tim.

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