

Re: Simple in-car PSU design?

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- *From:* Lostgallifreyan <no-one@xxxxxxxxxxxx>
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"Carl Farrington" <carl@xx>
wrote in [news:eh242v\\$4pf\\$1\\$8302bc10@xxxxxxxxxxxxxxxxxxxx](mailto:news:eh242v$4pf$1$8302bc10@xxxxxxxxxxxxxxxxxxxx):

Hello everyone.

I wonder if anybody could point me towards a simple multi-output PSU which can be run from a cars' ~12 – 14v supply?
I intend to run three devices. A small digital video recorder which requires 5vDC @ 1A, a CMOS camera which requires 12vDC @ 1A, and another camera which probably requires between 5vDC and 12vDC (don't have specs to hand).

I don't need any funny auto power-off switching like the in-car ATX computer power supplies do, as I intend to leave the system running 24/7. I suspect the actual current requirements are very small. The above ratings are simply taken from the included a/c adapters. I could measure actual current usage later, but suspect the camera to be more lik 200ma, and not much more for the recorder.

Does anybody know of either a very simple schematic, or a finished product which I could buy that would run these devices?

thanks very much,

Carl

Given their cost, you might as well use exactly what you're reluctant to use. PSU's for mini ITX boards often go so cheaply on eBay that it's worth it, and you can ground pin 4 (I think it's pin 4, the interweb will have more certain info in ATX PSU terminals). The ones built for cars have extra filtering and reservoir caps, and they're a far better bet than trying to design one from scratch.

They even have nice wires trailing off them ready for connecting stuff.

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