
Subject: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [nikki6ixx](#) on Tue, 09 Feb 2010 00:09:57 GMT

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<http://www.bit-tech.net/news/bits/2010/02/08/supercapacitor-promises-end-to-batteries/>

Quote:While it may seem that every week brings a new 'next big thing' in the world of batteries, this latest development in the world of portable power should have heads turning nonetheless.

As reported over on HotHardware, researchers at Imperial College London - in partnership with boffins at Volvo, interested in creating hybrid electric cars with better ranges - have come up with a plastic capable of storing a charge in much the same way as a traditional battery.

The so-called 'plastic supercapacitor' is an impressive leap forward in the concept of power storage, allowing the actual casing of a device to provide the power it requires to run. In the case of cars, this means non-structural elements such as the bumpers and interior spaces could provide additional power for increased range; in portable devices, the actual case itself could store the energy required to make the device work.

The technology could be used in portable gadgets in two ways: certainly at first it's likely to be as an additional power source, helping to make a more traditional Lithium-Ion or Lithium-Polymer battery last that little bit longer; once the technology has been sufficiently improved, however, it's possible that the battery can be dispensed of entirely - paving the way for thinner, lighter portable devices.

It's good news from a green perspective, too: requiring fewer harmful chemicals during its manufacture, the plastic supercapacitor concept represents much less of an environmental concern when it comes time to dispose of your once-beloved gadget.

Project co-ordinator Dr. Emile Greenhaigh admits that "we're at the first stage of this project and there is a long way to go," but envisions a future where "you might have a mobile phone that is as thin as a credit card because it no longer needs a bulky battery, or a laptop that can draw energy from its casing so it can run for a longer time without recharging." Sadly, the project is at too early a stage to offer even a guesstimate of when it'll be ready for commercial exploitation.

This is a pretty awesome development. I love stuff like this.

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [DeathC200](#) on Thu, 11 Feb 2010 20:55:31 GMT

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sounds like a bunch of fake shit to me sorry for my attitude toward this by truley believe that batterys are still going to be the thing powering mp3s and other shit that we own not some fucking plastic !!!

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [nikki6ixx](#) on Thu, 11 Feb 2010 22:12:08 GMT

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:/

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [Herr Surth](#) on Thu, 11 Feb 2010 22:38:12 GMT

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DeathC200 wrote on Thu, 11 February 2010 14:55 sounds like a bunch of fake shit to me sorry for my attitude toward this by truley believe that batterys are still going to be the thing powering mp3s and other shit that we own not some fucking plastic !!!
what?

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [zeratul](#) on Thu, 11 Feb 2010 22:43:23 GMT

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isn't there a supposed oil crisis? why would they make plastic Supercapacitor if it uses oil that we are running out of? or is it all a lie the gas companies are using to make us spend more?

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [SPIKDUM](#) on Thu, 11 Feb 2010 22:49:11 GMT

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LOL @ the pic!

Has anyone really been far even as decided to use even go want to do look more like?

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [DeathC200](#) on Thu, 11 Feb 2010 23:19:11 GMT

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im just saying this is fake ?? im also saying that this could take weeks even years for america to make plastic capicator's for mp'3 . ?? think of it like this if we where to use plastic cells to run our electronics the battery compartment would have to be wider because of its extravegant shape although i know this might seem like a prototype of some sort . but would you guys have to say ??

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [Cunin](#) on Fri, 12 Feb 2010 01:09:26 GMT

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lol.

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [genetix](#) on Fri, 12 Feb 2010 06:08:46 GMT

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Zeratul wrote on Thu, 11 February 2010 16:43 isn't there a supposed oil crisis? why would they make plastic Supercapacitor if it uses oil that we are running out of? or is it all a lie the gas companies are using to make us spend more?

There hasn't been an actual oil crisis in years and there won't be any in our lifetime. The sheer volume of oil on our planet is mind boggling.

I can remember the actual number but it was something along the lines of over 100 years of oil available at CURRENT growing demand. If demand flatlines then that timeframe starts doubling.

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [Tunaman](#) on Fri, 12 Feb 2010 06:13:11 GMT

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That's awesome.

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [zeratul](#) on Fri, 12 Feb 2010 06:13:44 GMT

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genetix wrote on Fri, 12 February 2010 00:08 Zeratul wrote on Thu, 11 February 2010 16:43 isn't there a supposed oil crisis? why would they make plastic Supercapacitor if it uses oil that we are running out of? or is it all a lie the gas companies are using to make us spend more?

There hasn't been an actual oil crisis in years and there won't be any in our lifetime. The sheer volume of oil on our planet is mind boggling.

I can remember the actual number but it was something along the lines of over 100 years of oil available at CURRENT growing demand. If demand flatlines then that timeframe starts doubling. That seems less a problem then originally thought so the oil is fine for the time being?

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future

Posted by [GEORGE ZIMMER](#) on Sat, 13 Feb 2010 03:58:40 GMT

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SPIKDUM wrote on Thu, 11 February 2010 16:49LOL @ the pic!

Has anyone really been far even as decided to use even go want to do look more like?
yes.

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future
Posted by [slosha](#) on Sat, 13 Feb 2010 04:27:24 GMT

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What if the case breaks?

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future
Posted by [zeratul](#) on Sat, 13 Feb 2010 04:33:31 GMT

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Glock~ wrote on Fri, 12 February 2010 22:27What if the case breaks?
then your fucked plain and simple just like microsoft it is deemed unrepairable

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future
Posted by [R315r4z0r](#) on Sat, 13 Feb 2010 06:22:25 GMT

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Glock~ wrote on Fri, 12 February 2010 23:27What if the case breaks?
It would still carry a charge, I assume... probably will lose a bit, but it would still work.

@ DeathC200, do you know what a capacitor is? Because it isn't a battery. It works similarly to a battery but it isn't a interchangeable source of power. It basically collects charges, filters them, then regulates what is needed.

The point of this article is saying that plastic super-capacitors won't replace batteries but it will totally make them obsolete and redundant. (Meaning you wont be replacing batteries with plastic slabs that hold a charge, you will just have gadgets that work on their own without the need to swap out power sources.)

Subject: Re: Plastic 'Supercapacitor' May Replace Batteries in Future
Posted by [DeathC200](#) on Mon, 15 Feb 2010 16:57:22 GMT

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that makes sense now
