

Battery never needs charging technology

Can a nuclear battery make a phone a USB-C charger?

These little batteries can join forces in series to crank out more power, per the company. Betavolt envisions smartphones that stay charged forever with a nuclear battery, potentially rendering your favorite USB-C chargers useless in the future.

Do we need a nuclear battery for a smartphone?

We'll need much more than that for a smartphone, mind, and whether this tech can translate to an ultra-long-lasting nuclear battery that can fit in and drive a phone - while keeping costs down so they aren't exorbitant and well out of reach of consumer-level devices - well, that's a different matter.

Can a nuclear battery keep supplying power for 50 years?

The future, however, is a nuclear battery that can keep supplying power for 50 years with no need for it to be charged. At least that's the case if the claims of a Chinese tech startup, Betavolt, become a reality.

Are smartphone batteries really a good idea?

The march of progress with smartphone batteries is undeniable, with innovations like fast charging making a real difference, but phones get more powerful and demanding too - meaning battery life is a constant battle for something acceptable.

Could a new battery 'miniaturize Atomic Energy batteries'?

A Chinese firm has introduced a type of battery that can supposedly keep various devices juiced up for a whopping 50 years without needing a recharge. Betavolt Technology from Beijing claims to have pioneered the "miniaturization of atomic energy batteries."

Could nuclear batteries untether US from Chargers & outlets?

So, not only could nuclear batteries untether us from chargers and outlets, but they could also seriously cut down on the millions of tons of toxic battery waste piling up in landfills each year, which can trigger landfill fires that burn for years at a time.

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But driving along a road where the car gains some additional charge as it travels could help to extend the range of electric vehicles or even do away with the need for plug-in ...

Betavolt's production battery will never power current-hungry devices such as electric vehicles, but as a low current and essentially perpetual energy source, the ability to top ...

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A US-based startup called Nano Diamond Batteries (NDB) is claiming that it has developed a new kind of battery that would turn radioactive waste materials into safe, usable ...

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Most of the time you're driving, your battery is charging. Not just on the move, but when you stop or slow down, our regenerative braking system recovers even more energy without you having ...

The nuclear-powered BV100 is smaller than a coin and can provide power for 50 years without the need for recharging, according to Beijing-based start-up Betavolt ...

Imagine if your phone lasted for years never or rarely needing to be charged. That's the promise of a groundbreaking new nuclear battery developed by Chinese startup ...

For example, integrating self-charging technology in smartphones and wearable devices can lead to reduced waste and longer device cycles, benefiting environmental ...

A Chinese company has presented a revolutionary miniature atomic energy battery that could potentially produce energy stably and autonomously for around 50 years, without any maintenance ...

The nuclear-powered BV100 is smaller than a coin and can provide power for 50 years without the need for recharging, according to Beijing-based start-up Betavolt Technology, the company behind...

A Startup Has Invented a Coin-Sized Battery That Never Needs Charging. January 16, 2024 Culture. Betavolt. Culture. Questions You Can Ask Alongside R U OK? ...

Betavolt envisions smartphones that stay charged forever with a nuclear battery, potentially rendering your favorite USB-C chargers useless in the future. Nuclear battery ...

Betavolt's production battery will never power current-hungry devices such as electric vehicles, but as a low current and essentially perpetual energy source, the ability to top off lithium-ion batteries even when a device is ...

In RC lipo batteries you often need to "balance charge" to get all the cells at the same voltage. So they recommend that you do take time to "balance" charge every 4-5 ...

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