

How to get power from the 9v battery in the energy storage cabinet





Overview

Can a 9v battery run everything in the world?

And the answer is, yes, given a suitable conversion system (our fulcrum and lever, so to speak), you could 'run everything in the world', at least briefly, with the familiar 9V (PP3) battery. Without getting hung up on the practicalities, energy is energy, power is power, and a 9V battery certainly has some.

Why do 9V batteries need a lot of energy?

Unfortunately, making 9v batteries requires energy; and less energy is recouped from a 9v battery than is put into making it (actually, much less is recouped, because 9v batteries are optimised for powering small light loads whilst being cheap to make, rather than being efficient energy stores, but this only speeds the process up).

What is a 9v battery used for?

Another use of 9V batteries is as weights in kinetic energy storage. Or for throwing at Flyers games. It's not just the voltage. You can step it up to 120 V, but it will deliver microamps. 9V batteries have a high internal resistance so they can't supply much current.

Why are 9V batteries so expensive?

Realistically though, both science and economics limit the 9V battery use cases. A 9V battery is heinously expensive per unit of energy delivered, very resource-intensive to make, non-rechargeable in its common form, and limited in both energy content and power output. Sadly, as things stand today most alkalines end up in landfills.



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