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Uranium Electric Home Solar Light

Overview

What is a uranium storage battery?

The uranium storage battery utilizes uranium as the negative electrode active material and iron as the positive one. The single-cell voltage of the prototype uranium rechargeable battery was 1.3 volts, which is close to that of a common alkaline battery (1.5 volts).

Could depleted uranium help reduce wind and solar inconsistency?

Researchers in Japan developed a battery utilizing depleted uranium that could help mitigate the inconsistency of wind and solar. It seems like something right out of Doc Brown’s garage in Back to the Future: a rechargeable battery made with depleted uranium. But that’s exactly what researchers in Japan have built.

Can programmable electroactive living materials recover uranium?

However, limited terrestrial resources and environmental risks from uranium contamination require innovative immobilization and recovery solutions. In this work, we present a novel uranium recovery method using programmable electroactive living materials (ELMs).

What is uranium rechargeable battery?

From this background, the research team developed a rechargeable battery using uranium as the active material (uranium rechargeable battery) and clarified its charging-discharging performance for the first time. The uranium storage battery utilizes uranium as the negative electrode active material and iron as the positive one.

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