

Super-Ion Battery Technologies

The Super-iron battery is a moniker for a proposed class of rechargeable electric battery. Such batteries feature cathodes composed of ferrate salts, either potassium ferrate(K_2FeO_4) or barium ferrate ($BaFeO_4$).^[1]

One attraction to the proposed device is that the spent cathode would consist of a rust-like material, which is preferable to batteries based on cadmium, manganese and nickels.

References

1. Licht, S.; R. Tel-Vered "Rechargeable Fe(III/VI) super-iron cathodes" *Chemical Communications*, 2004, volume 6, p. 628-629. doi:10.1039/b400251b

