

# Carbon Oxygen Battery

There's an article on [electrek](#) today about a company called [Noon Energy](#) who secured funding to commercialize Carbon Oxygen batteries. According to the article, compared to lithium-ion batteries, carbon oxygen batteries would:

- require only 1% of the critical elements
- cost about 10%
- have three times the energy density

There's not a lot of technical information, but I found [this description](#) from 2021:

It stores energy by splitting CO<sub>2</sub> into solid carbon and oxygen in a flow battery configuration, utilizing abundant materials and simple reaction chemistry.