

# IBM Developing Lithium-air Battery With 500-mile Range for EVs

PowerPulse.net

According to media reports, **IBM** continues to make progress on what it describes as a breakthrough lithium-air battery that may be able to store 1,000 times more energy than today's lithium ion battery. The huge jump in energy density could raise your electric vehicle's range from 100 miles to 500 miles.

Lithium-air batteries don't use metal to conduct a charge. Instead, the energy flow is created from the air reacting with lithium ions and a carbon matrix. So while you drive, the battery literally breathes in air to produce more energy, which extends the range of a single charge. This research on lithium-air batteries has been ongoing since 2009 when IBM first started the Battery 500 project.

[SOURCE](#) [1]

**Source URL (retrieved on 01/24/2015 - 11:41pm):**

<http://www.ecnmag.com/news/2012/01/ibm-developing-lithium-air-battery-500-mile-range-evs>

**Links:**

[1] <http://www.powerpulse.net/story.php?src=r4;storyID=25160>