



All parts of the battery are recyclable, thereby contributing positively to the movement towards reducing EV waste. | Photo source [MAHLE Powertrain](#)

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RECYCLABLE EV BATTERY RECHARGES IN 90 SECONDS

 AGRICULTURE & ENERGY

Perfect for food delivery mopeds, the new design helps reduce city air pollution

Spotted: German engineering experts MAHLE Powertrain have partnered with Allotrope Energy to create a lithium carbon battery for electric mopeds. The battery is completely recyclable and fully charges in 90 seconds. As an alternative to petrol-powered mopeds currently completing substantial amounts of last-mile deliveries, the new battery could help to significantly reduce urban air pollution.

The battery includes a high-capacity electric double layer capacitor that contributes to its stability and power. The resulting efficiency allows for super-fast recharging without requiring additional cooling systems or additions to electrical grids. The battery is designed specifically to be inexpensive to produce and buy. The relatively small capacity makes it usable in small vehicles. All parts of the battery are recyclable, thereby contributing positively to the movement towards reducing EV waste.

Current EV batteries of a similar size work for up to two years before needing replacement. MAHLE says its battery works for 100,000 cycles.

Electric vehicles are at an exciting development stage, with variations of size, shape and power creating increasingly creative, innovative means for transporting people and goods. Springwise recently spotted [solar-powered micro cars](#) as a new public transport option, and the first [electric tundra buggy](#).

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Takeaway:

India's recent announcement of its [vehicle scrappage scheme](#) for old, polluting cars opens the door for increased EV sales. A number of different policies will have to work together to realise the potential of the environmental impact. Collaboration across states and departments is notoriously tricky in governments around the world. However, the global impetus for meaningful change is growing and has the ability to maintain pressure and momentum where it is needed most. More and more stringent policies and goals are going to have to be set, and met, to put Earth's population back on a healthy climate trajectory.