

## Electric vehicle travels record-breaking 623 miles on a single charge

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Powered by 8,320 lithium-ion batteries, the Mira EV traveled 623 miles on a single charge. Image credit: Japan Electric Vehicle Club.

(PhysOrg.com) -- The Japan Electric Vehicle Club broke its own Guinness World Record last weekend by driving an electric vehicle for a distance of 623.76 miles (1,003 kilometers) without recharging. The new distance record nearly doubles the old record of 345 miles (555.6 kilometers) that was set last November.

The Tokyo-based Japan Electric Vehicle Club, a group of electric vehicle enthusiasts, converted the Daihatsu Mira EV from gas to electric using Sanyo lithium-ion batteries. The record-breaking run took place at the track of a training school for auto racers in Shimotsuma, Ibaraki. Seventeen drivers took turns driving the electric vehicle during a time period of 27.5 hours, with the car traveling at an average speed of 25



mph (40 kph).

The Mira EV was powered by an assembly of 8,320 cylindrical lithiumion batteries (Sanyo No. 18650) that are normally used in laptops and other electronic devices. According to a press release, the <u>battery</u> configuration was similar to the one used to set the previous <u>record</u>.

More information: <u>Sanyo</u>

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