

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 lithium-ion batteries (Sanyo No. 18650) that are normally used in laptops and other electronic devices. According to a press release, the [battery](#) configuration was similar to the one used to set the previous [record](#).

More information: [Sanyo](#)

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