

TOYO TIRE TALK

Issued by Technical Service Department of TOYO Japan.

TOYO TIRES
driven to perform



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Subject : Toyo's Low Rolling Resistance Tire Shod Electronic Vehicle Breaks World Record for Longest Running Distance With No battery-recharge !

We are pleased to inform our readers of exciting news from Japan!

Recently the "Japan EV Club" was challenged to achieve the world record for the longest running distance by an electronic vehicle without an additional battery charge. They drove a Daihatsu Motor Co.'s "Mira", popular mini car in Japan, which they converted into an electric vehicle equipped with Toyo's low rolling resistance tire, the "ECO WALKER". The challenge was a great success!

ECO WALKER, originally developed for the Japanese market, is a new low rolling resistance tire that does not sacrifice wet performance, wear life, or other performance areas.

Two records were achieved on both public/highway roads and a circuit course, on November 17th, 2009 and May 22nd - 23rd, 2010 respectively.



Vehicle	Daihatsu Mira EV (Power=74kWh @ Full charge)	
Tire	ECO WALKER	
Tire size	165/50R15	175/60R15 81H*
World record running distance with no battery recharge.	556km / 345 miles	1,003.184km / 623 miles
	Japan EV Club's application of this record "556km/345miles" to " <i>the Guinness Book of World Records</i> " was successfully approved. For the record "1,003.184km/623miles", it is in the process of being approved as well.	
Location	Public road and highway - From Tokyo to Osaka	Circuit course - Oval course with bank (1Lap = 689m) - Cruising speed 40kmh / 25mph

*Specially modified spec. for this run.

One of the key points that contributed to this great success was the ECO WALKER, which features "lower rolling resistance" and "lighter weight without compromising tire stiffness" for handling performance.

The ECO WALKER's rolling resistance is 20% less than the previous model ^(a), which is translated into fuel savings of approximately 2% ^(b).

With regards to weight, the ECO WALKER is 13% lighter than the previous tire.

This world record is proof that our technology can generate not only high quality products, but also environmentally-friendly and safety features.

Toyo Tires has continuously been developing and introducing high quality products with competitive features.

(a) size:195/65R15 91H

(b) According to JATMA , in case of driving in urban area

