



TOYOTA MOTORSPORT GmbH BREAKS PIKES PEAK ELECTRIC RECORD

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TOYOTA Motorsport GmbH (TMG) has made another step forward for electric vehicles by setting a new electric record at the Pikes Peak International Hill Climb in Colorado, United States.

Using the TMG EV P002 race car, powered by a high-performance TMG electric powertrain, driver Fumio Nutahara set a time of 10 minutes 15.380 seconds to set a new record for electric vehicles on the now fully asphalt 19.99km track.

After setting a new electric lap record at the Nürburgring Nordschleife in August 2011, TMG's electric powertrains have now set new standards on two of the toughest venues in motorsport.

Nutahara's time not only broke the previous electric record (12mins 20.084secs) by more than two minutes, it gave him sixth place overall to cap an impressive debut at Pikes Peak.

Based on a Radical chassis, the TMG EV P002 has a top speed of 240km/h in Pikes Peak configuration, with combined maximum power of 350kW from its two axial flux motors.

The TMG crew on-site spent three practice days finetuning the TMG EV P002 and its electric powertrain set-up for the gruelling climb from 2,800m to the 4,300m summit, with impressive results.

Rob Leupen, TMG Director Business Operations: "Following our new electric record at the Nürburgring Nordschleife almost exactly a year ago, TMG wanted a new challenge for our electric powertrains. The Pikes Peak International Hill Climb gave us the chance not only to prove the potential of electric powertrains in motorsport but to do so in a very competitive environment as well. It's a great achievement from the team here in Colorado and also all those back at TMG in Cologne who have played their part in this successful record attempt. Thanks to them and also to our colleagues at Toyota Racing Development here in the US who gave us so much great support. Now we start the search for the next milestone for the TMG electric powertrain."

TMG EV P002 Technical Specifications	
Performance	
Top Speed	240km/h (Pikes Peak configuration)
Maximum Torque	900Nm
Maximum Power	350kW
Maximum Revs	5000rpm
Powertrain	
Electric Motor	2 axial flux
Inverter	2 x TMG inverters
Gear Ratio	2.5
Transmission	Single-reduction gearing
Battery	Lithium ceramic
Battery Capacity	42 kWh
Charging Technology	Off-board DC charging
Dimensions	
Length	4.10m
Height	1.04m
Width	1.79m



About Toyota Motorsport GmbH:

Toyota Motorsport GmbH (TMG) has been based in Cologne, Germany since 1979 and built its reputation in the World Rally Championship, winning four drivers' and three manufacturers' title during a long participation which ended in 1999. TMG was also the home of Toyota's works Le Mans 24 Hours (1998-1999) and Formula 1 (2002-2009) teams, both of whom achieved pole and podium positions, and a tuning and sports conversion subsidiary (established in 1994). Since 2007, TMG has been a pioneering centre of development for motorsport-related electric vehicle technology and for alternative drive train and infrastructure integration in general. TMG has already concluded several electric vehicle projects for external clients and is the proud lap record holder for electric vehicles at the Nürburgring Nordschleife. www.toyota-motorsport.com.

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