

Phoenix Motorcars: Sport Utility Truck (SUT)



Background and Details

- Car bodies are based on Korean SsangYong Actyon
- The carbon fiber drive shaft (5lbs vs. 75) is surrounded by the batteries, in a large metal tray
- They are working on an extended battery pack which will allow 200 mile range, preserving 10 minute quick charge
- They also have an SUV which has extremely similar stats: it is possible the only difference is the body shape
- SUT is targeted at fleet sales in 2008
- New custom (in-house) motor replaces a UQM unit which was about half as powerful
- PG&E (a California electric utility) is initial fleet customer
- In addition to Altairnano, Phoenix is working with Electrovaya for a battery pack, perhaps for the larger one?
- Initial production quantities appear delayed by ~one year, with 500 planned now for 2008 and 6000 in 2009
- References: [Phoenix Motorcars Wikipedia](#) [ABG Video](#) [ABG Treehugger](#) [GCC Autoblog](#)

Short Description: EV pickup truck

Availability & Cost: 2008, \$47k



Vehicle Stats

MPGe	126
Weight	4820 lbs
L x W x H (ft)	16.3 x 6.2 x 5.8
HP	268 peak, ? sustained
0-60 MPH	<10 seconds
Top Speed	95 MPH (limited)
Range	130 miles
Battery Info	Altairnano Nanosafe 35 kWh lithium-titanate ? lbs, very expensive
Charge Time	5-6h (220V, 6.6kW) 10 minutes @250kW, off-board charger required
Motor	200 kW peak, "custom"
Cd x Frontal Area	? x ? ft ²