

Venture Vehicles: VentureOne

Short Description: tilting 3-wheel, EV & PHEV

Availability & Cost: late 2009, \$25k



Background and Details

- Based on tilting technology from Carver called “Dynamic Vehicle Control” DVC, with over a decade of development
- Vehicle can tilt up to 45 degrees to each side, reviews of Carver emphasize how fun to drive it is: “fly the road”
- Venture Vehicles licensed that technology: they are not buying vehicles to retrofit, they are designing and building their own vehicle based on the tilting technology
- They got \$6M funding in August 2007
- Massive amount of safety engineering and equipment including roll-cage, seat belts, air bag, engine shield, ABS
- “Alpha” prototype forum update on June 15th 2008 shows milling work on body panels and some part renderings
- Seats two in tandem, but back seat has little leg room
- They plan to produce at least 5000/year, with an initial facility that can scale to 36k units/year
- They plan to test both PHEV and EV prototypes for the AXP race - either one would be alternative class
- References: [OfficialSite](#) [Wikipedia](#) [Carver](#) [Engadget](#) [Treehugger](#) [HybridCars](#) [PopMech](#) [ABG1](#) [2](#) [3](#) [Forum](#) [Club](#)

Vehicle Stats

MPGe	240 MPGe electricity 100 MPG gasoline/hybrid
Weight	1400 lbs
L x W x H (ft)	11.7 x 4 x ?
HP	e50 - 67 HP hybrid Q100 - 134 HP hybrid EV - 54 HP all-electric
0-60 MPH	7 seconds (hybrid)
Top Speed	100 MPH (hybrid) 75 MPH (EV)
Range	20 miles electric (hybrid) 120 miles (EV)
Battery Info	2.4 kWh, 45 lbs li-ion supplied by A123 (hybrid) 17 kWh (EV)
Charge Time	? 15 minute quick charge
Motors	2x PML Flightlink in-wheel
Cd x Frontal Area	0.32 x ? ft^2