

## Fuel Cell Vehicles vs. Battery-Powered Vehicles



Model	Honda FCX Clarity	Chevy Volt	Nissan Leaf	Mercedes-Benz B-Class F-CELL
Starting Price	\$600/month 3 year lease \$21,600 total cost	\$39,995	\$32,780	\$849/month 3 year lease \$30,564 total cost
Availability	200 vehicles in Southern California	4,000 units sold	15,000 units sold	70 vehicles in California
Warranty	Maintenance and service included in lease price	3 yr/36k mi limited BTB 5 yr/100k mi limited power/drivetrain 8 yr/100k mi limited battery and Voltac component	3 yr/62k mi Stan'd components 5 yr/62k mi Elec. vehicle components	Fuel and maintenance included in lease price
Horsepower	134	149	109 @ 2,730-9,800	Not Reported
Torque	189@3056	273	280 @0-2730	290
Acceleration (0 - 60) seconds	11 *	8.53	11.9**	11.4
Motive Power Source	Fuel Cell	Lithium-Ion Battery (gasoline ICE range extender)	Lithium-Ion Battery	Fuel Cell
Fuel System	Hydrogen	Electronic Fuel Injection	Electricity	Hydrogen
Fuel Capacity	4.1 kg @5000 psi	9.3 gal. gasoline 16 kWh battery	24 kWh battery	3.7 kg
Required Fuel	Hydrogen Gas	Electricity Premium Gasoline	Electricity	Hydrogen Gas
Refueling or Recharging time	Approximately 5 minutes	Gasoline: 3-5 minutes Level I charging: 10-12 h Level II charging: 4 h	Level I charging: 20+ h Level II charging: 7 h	Approximately 5 minutes
Wheelbase (in)	110.2	105.7	106.3	109.4
Length (in)	190.3	177.1	175.2	168.2
Height (in)	57.8	56.6	61	63.7
Width (in)	72.7	70.4	69.7	70
Curb Weight (lbs.)	3582	3781	3516	3988
EPA Mileage Estimates (city/hwy/comb.)	60/60/60	All Electric City/Hwy: 95/93 Gas Only City/Hwy: 35/40 35 battery only 407 w/ range extender	106/92/99	Not Reported
Range (miles)	240	35 battery only 407 w/ range extender	100	240
Cargo Volume (cu. Ft.)	13.1	10.6	14.5	19.2
Passenger Volume (cu. Ft)	100.8	Not Reported	Not Reported	Not Reported
Interior Specs: head, leg, shoulder, hip room (inches front/rear)	38.6/37.1 41.9/37.9 58.8/56.2 57.5/54.6	37.8/36.0 56.5/53.9	41.2/37.3 42.1/31.1 54.4/52.5 51.5/50	38.9/38.6 † 41.7/35.6 55.6/54.4 53.6/53.4

\* estimated by test drivers \*\* Company is still awaiting certification of this number † Based on 2010 B-class ICE 4D HB

Compiled by Fuel Cells 2000 from a variety of publicly available sources including manufacturers websites, US EPA, and news stories. Last Updated October 2011