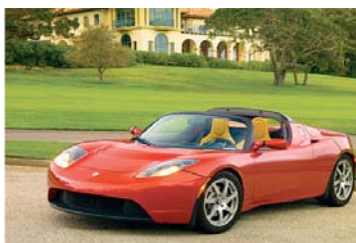


Electric cars

Catalog

This page has been updated 30 sept 2010

The TESLA ROADSTER (first photo), is a 2-seater electric sports car, 0 to 100 km/h in less than 4 secondes. The price tag starts at 100 000 dollars. Leonardo di Caprio was one of the first clients. The same company, TESLA MOTORS, prepares the TESLA MODEL S (second photo below), a real family-car which will be the most performing electric family vehicle. It should be available in 2012 (450 km range, enough space for 5 adults and 2 children, a real trunk, a real car. It is expected to cost 42 300 Euros.



The MIA by HEULIEZ, a nice little car, available in 2012 in France



The pioneers, first cars that made it to the market (below) : the REVA (left) and the MEGA-CITY (right)



The first electric car to be mass-produced will be the NISSAN LEAF by Renault-Nissan . The LEAF is available since december 2010 in California, Ireland, Israel, Denmark, Japan...

and will be available in other regions of the world in 2012. Here is a photo of the Nissan Leaf :



Below is a catalog of the vehicles that are on the market or in fabrication.

Small cars (less than 3 meters long or maximum speed < 90 km/h or range <100 km)

Name of car	Type of car	Type of battery	Fabricant (country)	Availability	Max speed	Range	Number of seats	Weight of empty car (max charge)	Long x large (m)	Web
Mega-City	Small car	lead	MEGA-Aixam (France)	Available : delivery in 3 weeks	65 km/h	60 à 100 km	2 or 4	750 kg (1025)	2,959 x 1,492	http://www.nicecarcompany.co.uk/m
Simply City	Small car	lead (Li-Ion as an option)	ECO & MOBILITE (France)	Available	90 km/h	80 km (150 km with Li-ion batteries)	4	400 kg without batteries	3,08 x 1,60	http://www.eco- http://www.avem.fr/vehicule-electriqu
GEM E2/E4	Small car	lead	Global Electric Motorcars (United States)	Yes (30 000 units already sold)	45 km/h	50 km (35 miles)	2 or 4 (E2:E4)	E2: 1,140 lbs (1850 lbs) E4: 1290 lbs (2200 lbs)	99 x 55" (E2) 128" x 55" (E4)	http://www.ge http://www.avem.fr/vehicule-

Smart FORTWO ED (Electric Drive)	Small car	Li-Ion	SMART (Switzerland)	2010 available for leasing or renting in some large cities such as Paris, Rome, Madrid	115 km/h (70 mph) Speed electronically limited to 100 km/h 30 mph in 6,5 s 60 km/h in 5,7 s	135 km (70 miles)	2			
ZX40S	Small car	Lead	Miles EV (United States)	Available	45 km/h (25 mph)	70-85 km (40-50 miles)	4	2998 lbs (GVWR)	11'2" x 4'10" x 5'7"	http://www.mi
MyCar	Small car	Lead AGM	Newteon (France)	2010	65 km/h	80 km	2	730 kg	2,65 x 1,40 m	http://www.nev
Smera	Small car	Lithium	Lumeneo (France)	2009	130 km/h	150 km	2	350 kg (770 lbs)	2,45 x 0,80 m	http://www.lu
REVA-i (lead batteries) or REVA-Lion (named G-WIZ in London)	Small car	Lead (REVA-i) or lithium-ion (REVA-Lion)	Reva Electric Car Company (India)	2009 available : délai de livraison 3 mois	80 km/h	80 km (lead batteries) or 120 km (Li-ion batteries)	4 small seats, (without trunk) or 2 seats	400 kgs (without batteries)	2,64 m	http://www.re http://revair http://revagl http://www.goir http://www.avem.fr/vehicule-
Chevrolet Spark			General Motors (United States)							
BUDDY			Norvway							
TAZZARI ZERO	Small car sportive	Lithium	TAZZARI (Italy) Chassis Ferrari	Available	90 km/h	140 km	2 seats			http://www.tazz

Family-car (dimensions of a typical family car, max speed > 90 km/h and range >100 km)

Nom	Type of car	Type of battery	Fabricant (country)	Availability	Max speed	Range	Number of seats	Weight of empty car (max charge)	Long x large (m)	
MIA (ex-Friendly)	Small berline	Lithium-Iron-Phosphate (1 or 2 or 3 blocs of 6kWh, OK for 1000 to 2000 cycles)	Heuliez (France)	fin 2010 (4000 units in 2010 then 15 000 units/year)	110 km/h (authorized on highways, crash-tested)	100 km (with 1 battery unit) 180 km (with 1 battery units) 230 km (with 3 battery units)	3 adult seats + 1 optionnal seat for a child 3 electric motors possible : 16, 20 and 25 kW	450 kilos + 70 kilos per battery pack (1 to 3 packs)	2,60 long x 1,55 large x 1,50 high (exists in a longer version : 3m d long, 1650 litres trunk)	
Blue Car	Berline	Lithium (LMP)	Bolloré (France)	2011	130 km/h	250 km	4	300 kg (without batteries)	3,65 x 1,72	
REVA NXR	Berline	Li-Ion	REVA Electric car co. (India)	2011	104 km/h (65 mph)	160 km (100 miles)	4	Li-Ion : 850 kg lead : 900 kg	3,28 x 1,514 x 1,560 m high	
NISSAN LEAF	Berline	Li-Ion	Nissan (Japan)	2010 (Japan, California, Israel, Ireland, Denmark)	140 km/h (90 mph)	160 km	5	Li-Ion	4,45 x 1,77 x high : 1,55	

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C30-BEV	Berline	Li-Ion	VOLVO (Sweden)	2014	130 km/h (0 to 100 km/h in 11 secondes)	150 km	5	?	?	http://www.ca
TATA Indica Electric			TATA MOTORS (India)							
YAROVIT	Berline (type Golf)		YAROVIT MOTORS (Russia)				5			
BYD e6	Berline	Li-Iron-Phosphate 180-200 Ah	BYD (China)	2010	140-185 km/h Engine 40 kW 0 to 100 km/h in 14 s)	205 miles >300 km	5	2 295 kgs	4,55 long x 1,82 large x 1,63 high	

Sports cars :

Name	Type of car	Type of battery	Fabricant (country)	Availability	speed max	Range	Number of seats	Weight of empty car (max charge)	Long x large (m)	Web	
Tesla roadster	Sports car	Li-Ion (recharge in 3.5 h)	Tesla Motors (Etats-Unis)	Available	432 km/h (244 mile/h) electronically limited to 125 mph (200 km/h) 0-100 km/h en 3.7 s (version précédente 3.9s)	400 km	2	2,733 lb (1,235 kg)(curb weight)	3946 mm (155.4 in) x 1873 mm (73.7 in)	http://www.teslamotors.com http://en.wikipedia.org/wiki/Tesla_Roadster	st: 10 d
Karma	Sports car	Lithium	Fisker Automotive (Etats-Unis)	2010	200 km/h 0 to 100 km/h in 6 secondes (403 ch)	90 km electric + 400 km hybrid (300 miles) 83 g/km CO2. Better than the Toyota Prius (89 g/km)				http://www.fiskerautomotive.com	87 9C o North mark 60 0
Fetish	Sports car	Li-Ion	Venturi		170 km/h	250 to 350 km					

Converting a petrol car into an EV : <http://www.electricity4gas.com/?hop=squaletto> or <http://www.agua-luna.com>

<http://www.olino.org/us/articles/2008/10/26/overview-of-electric-cars?>

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