

Electric Vehicle Comparisons

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BEV= Battery Electric Vehicle




























PHEV = Plug-in Hybrid Electric Vehicle

MPGe = Miles per Gallon Equivalent; 1 gallon = 33.7 kilowatt-hours

Chart by CLEER: Clean Energy Economy for the Region / (970) 704-9200 / www.CleanEnergyEconomy.net / P.O. Box 428, Carbondale, Colorado 81623

Sources: U.S. EPA, Plug In America

* Payback is w/ maximum state & federal tax credits; 15,000 miles per year; gas @ \$2.50

Manufacturer				Specifications				Price and tax credits				Range		Charge time, hours			Performance					Comparison to similar gasoline model						
Name	Model	Photo	Built	Type	Seating	EV Type	Battery size (kWh)	Price (before credits)	State tax credit	Federal tax credit	Price after credits	Electric range (EPA est)	Total range elec + gas	Level 1 (120v)	Level 2 (240v)	Level 3 (400+v)	MPGe / (MPG gas in hybrid mode)	Top speed (mph)	Horse power	Torque (lb-ft)	Acceleration (0-60 mph)	Weight	Crash Rating	Comparable gasoline vehicle	Comparable vehicle base price	Comarable vehicle est. MPG gasoline	Estimated real-world MPGe for EV	Est. years to pay back purchase price *
Tesla Motors	Model S		USA	4-dr sedan	5	BEV	60	\$68,000	\$5,000	\$7,500	\$55,500	208 mi	208	42	6.5	1	95 MPGe	130	259	387	5.9	4,647	5 star	Audi A6	\$45,000	28	95	11.1
Tesla Motors	Model S Performance		USA	4-dr sedan	5	BEV	90	\$89,500	\$5,000	\$7,500	\$77,000	265 mi	265	60	8.9	~1 hr	89 MPGe	130	259	485	4.2	4,766	5 star	Audi S6	\$75,000	22	89	1.6
Tesla Motors	Model X		USA	4-dr SUV	7	BEV	75	\$85,500	\$5,000	\$7,500	\$73,000	237	237	60	8.9	~1 hr	89 MPGe	155	362	443	6.0	5,271	5 star	Audi Q7	\$54,800	22	89	14.2
Nissan	Leaf S30		USA	4-dr hatch	5	BEV	30	\$32,400	\$5,000	\$7,500	\$19,900	107 mi	107 mi	16	4.9	0.75	114 MPGe	89	110	210	9.7	3,385	not yet rated	Sentra	\$11,999	38	99	13.0
Hyundai	Sonata		Japan	4-dr sedan	5	PHEV	10	\$35,400	\$5,000	\$4,919	\$25,481	27 mi	600 mi	7	3.3	NA	60 MPGe (40mpg)	130	202	291	9.0	3,497	not yet rated	Sonata	\$21,750	30	60	6.0
Ford	Focus Electric		USA	5-dr hatch	5	BEV	33.5	\$35,200	\$5,000	\$7,500	\$22,700	110 mi	110	22	5	0.75	110 MPGe	84	140	181	9.5	3,691	not yet rated	Focus	\$18,000	32	105	5.8
Ford	C-Max Energi		USA	4-dr hatch	5	PHEV	7.6	\$32,950	\$5,000	\$4,007	\$23,943	21 mi	21 + 620	7	2.5	NA	88 MPGe (38 mpg)	90	195	129	8.5	3,900	4 star	CMAx Hybrid EV	\$27,000	40	55	instant
Ford	Fusion Energi SE		USA	4-dr sedan	5	PHEV	7.6	\$38,700	\$5,000	\$4,007	\$29,693	21 mi	21 + 620	7	2.5	NA	88 MPGe (38 mpg)	85	195	117	8.0	3,913	5 star	Fusion (4 cyl)	\$23,000	26	55	8.8
Mitsubishi	i-MiEV		Japan	4-dr hatch	4	BEV	16	\$22,995	\$5,000	\$7,500	\$10,495	65 mi	65	22.5	7	30min 80%	112 MPGe	80	66	133	9.0	3,329	4 star	Mirage	\$12,995	40	112	instant
Kia	Optima		Japan	4-dr sedan	5	PHEV	9.8	\$35,210	\$5,000	\$4,919	\$25,291	30 mi	580	7	3.3	NA	103 MPGe (43 mpg)	119	202	276	9.1	3,788	not yet rated	Fusion (4 cyl)	\$23,000	26	103	2.1
Chevrolet	Volt		USA	4-dr hatch	4	PHEV	18.4	\$34,095	\$5,000	\$7,500	\$21,595	53 mi	53 + 367	10	4	NA	98 MPGe (40 mpg)	100	149	273	9.0	3,781	5 star	Cruze	\$18,000	27	66	4.4
Chevrolet	Bolt		USA	4-dr hatch	5	BEV	60	\$37,500	\$5,000	\$7,500	\$25,000	200 mi	200 mi	42	8.5	~1 hr	100 MPGe	100	200	266	6.9	3,580	not yet rated	Cruze	\$18,000	27	66	8.5
Chrysler	Pacifica		USA	Minivan	7	PHEV	16	\$37,995	\$5,000	\$7,500	\$25,495	30 mi	30 + 456	11	2.6	NA	80 MPGe (24 mpg)	100	287	262	8.5	4,330	5 star	Town and Country	\$27,995	24	40	instant
Toyota	Prius Prime		Japan	4-dr hatch	5	PHEV	8.8	\$27,100	\$5,000	\$4,085	\$18,015	25 mi	11 + 615	3	1.5	NA	133 MPGe (50 mpg)	108	98	153	10.9	3,165	not yet rated	Prius	\$25,000	50	60	instant
BMW	i3 (REX available)		Germany	4-dr hatch	5	BEV (REX option)	33	\$44,595	\$5,000	\$7,500	\$32,095	114 mi	114 (200 REX)	15	4.5	40 min 80%	138 MPGe (111 mpg)	93	170	184	7.2	2,961	5-star	BMW 2 or 3 series	\$32,000	21	124	0.1
Cadillac	CT6		USA	4-dr sedan	4	PHEV	18.4	\$75,095	\$5,000	\$7,500	\$62,595	30 mi	35 + 365	15	5	NA	65MPGe (35 mpg)	150	335	432	5.2	4,065	not yet rated	Cadillac CTS	\$51,695	26	85	10.9
Porsche	Panamera S E-hybrid		Germany	4-dr hatch	4	PHEV	8.8	\$99,600	\$5,000	\$4,585	\$90,015	21 mi	21 +480	3.9	2.5	NA	50 MPGe (25 mpg)	172	462	516	4.4	4,600	5-star	Porsche Panamera S	\$82,800	22	50	7.6
Porsche	Cayenne E-hybrid		Germany	4-dr hatch	5	PHEV	10.8	\$78,700	\$5,000	\$5,335	\$68,365	14 mi	25 + 590	5	3	NA	47 MPGe (27 mpg)	151	416	428	5.6	5,200	5-star	Porsche Cayenne	\$59,600	21	47	8.9
BMW	330e		Germany	4-dr sedan	4	PHEV	7.6	\$44,100	\$5,000	\$4,001	\$35,099	14	14 +350	7	2.5	NA	71 mMPGe	140	180	215	5.9	3,900	not yet rated	BMW 330i	\$33,450	27	71	1.9
BMW	740e		Germany	4-dr sedan	4	PHEV	9.2	\$90,095	\$5,000	\$4,668	\$80,427	14	14 + 336	7	2.75	NA	64 MPGe	130	322	369	5.1	4,740	not yet rated	BMW 740i	\$81,500	23	64	instant
BMW	i8		Germany	2-dr sports	2	PHEV	7.1	\$136,500	\$5,000	\$3,793	\$127,707	15 mi	15 + 315	7	2.5	NA	76 MPGe (32 mpg)	155	357	420	4.5	3,455	not yet rated	Audi R8	\$115,900	16	76	4.3
BMW	X5 xDrive40e		Germany	4 door SUV	7	PHEV	9.2	\$63,095	\$5,000	\$4,668	\$53,427	14 mi	14 + 526	5	2.75	NA	59 MPGe (24 mpg)	130	308	322	6.2	5,263	not yet rated	BMW X5	\$55,500	22	59	instant
Audi	A3 Sportback E-tron		Germany	4-dr hatch	5	PHEV	8.8	\$37,900	\$5,000	\$4,502	\$28,398	31 mi	31 + 549	5	2.75	NA	98 MPGe (42 mpg)	138	204	243	7.5	3,616	not yet rated	Audi A3	\$34,095	27	98	instant
Mercedes	S550		Germany	4-door	5	PHEV	8.7	\$96,600	\$5,000	\$4,085	\$87,515	20 mi	20 + 430	5	2.75	NA	58 MPGe (26 mpg)	130	436	479	5.2	4,718	5-star	S550	\$95,650	24	58	instant
Mercedes	c350e		Germany	4-door	5	PHEV	6	\$45,490	\$5,000	\$4,000	\$36,490	20 mi	20+ 355	3.5	1.8	NA	53 MPGe	155	275	443	5.9	4,057	not yet rated	MB CLA	\$32,400	24	53	3.2
Mercedes	GLE550e		Germany	4 door SUV	7	PHEV	9	\$66,300	\$5,000	\$4,085	\$57,215	20 mi	20 + 440	5	2.75	NA	44 MPGe (21 mpg)	130	436	479	5.3	5,456	not yet rated	MB GLE550	\$52,500	21	43	3.4
Volvo	XC90 T8		Sweden	4 door SUV	7	PHEV	9.2	\$68,100	\$5,000	\$4,200	\$58,900	25 mi	25 + 325	5	2.75	NA	54 MPGe (25 mpg)	130	400	472	5.9	5,059	5-star	XC90	\$45,750	22	54	8.7