

# Get the Facts About Driving Electric.



## TYPES OF EVS

1. **All-electric vehicles (AEV)**
  - Also known as battery electric vehicles (BEVs), they are powered solely by an electric battery.
2. **Plug-in hybrid electric vehicles (PHEV)**
  - Powered by an electric battery and supplemented by gasoline when needed.



## TYPES OF CHARGING

### Level 1

- Uses a standard household outlet.
- No installation required.
- Slow charging: 3-5 miles of range per hour of charge. Used for overnight charging of PHEVs. Drivers with shorter commutes can also charge their AEVs.

### Level 2

- Uses 240-volt power.
- Installation required for home-use. Also available at public charging stations.
- Faster charging: 20-30 miles of range per hour of charge.
- Electric utilities and automakers may offer rebates to help with installing home chargers. They also may have lower off-peak charging rates.

### Level 3

- Fastest charging: 80% charging in 20-40 minutes. (charging usually slows significantly above 80%)
- Typically installed at businesses and other public locations.
- Three different plug types. Confirm compatibility with your car (or plug adapter) before going to a public fast charging location.
- Ideal for long-distance travel. Get tips on our website.

**Almost every Vermont community has someone who owns a plug-in electric vehicle (EV). Wondering if one is right for you? Get the facts below.**

### Save money

*EVs may cost more than gas cars up-front, but they can save you thousands of dollars over their lifetime.*

- EVs need less maintenance, saving drivers an average of \$4,600 over the life of the EV.
- Vermont electric utilities may offer purchase incentives up to \$5,000 or more plus incentives on chargers and lower off-peak EV charging rates.

### Increased convenience

- Most EV owners charge their cars overnight—avoiding trips to the pump or waiting for a charge. Vermont has over 500 public charging stations. Check out the map of public charging stations on our website.
- New EV models have 250-300+ miles of range (about the distance from Brattleboro to Montreal). In the winter, you may experience a 20-50% reduction in total range, depending on temperature, the vehicle, and how it's driven.
  - Most EVs offer plenty of range for Vermont drivers, even in winter.

### Great performance and safety

- EVs accelerate faster than most equivalent gas-powered cars.
- EVs offer increased traction due to heavy batteries (which is great for winter driving conditions with winter tires). Many all-wheel drive EV options are available for those who need them.
- The increased traction also helps EVs perform well on Vermont's dirt roads. Consider an EV with higher ground clearance if you drive on rough roads.
- EVs are some of the safest vehicles on the road thanks to their low center of gravity and advanced crash-prevention technology. They also have a lower risk of catching fire than gas cars.

### Environmental considerations

- EVs increase our energy independence and can be powered with renewable energy.
- EVs reduce noise pollution due to their quiet operation.
- EVs produce zero tailpipe emissions. Most Vermont EVs generate less than 30% of the lifetime carbon emissions as gas-powered cars.
- EV batteries require minerals, and mining them can disrupt the environment and nearby communities. To reduce these impacts, automakers are improving battery efficiency and expanding recycling options.



For more information on EVs in Vermont, visit [www.driveelectricvt.com](http://www.driveelectricvt.com)



# New Plug-in Cars Available in Vermont



Make / Model	Electric Range (miles)	Total Range (miles)	MPGe Efficiency	All Wheel Drive	DC Fast Charging	Seats	Cargo (ft <sup>3</sup> )	Base Price (MSRP)	Standard Monthly Lease Price	Lease Down Payment
<b>All-Electric Vehicles</b>										
Audi Q4 e-tron	258	258	95	Optional	SAE CCS	5	24.8	\$ 50,600	--	--
BMW i4	235-301	235-301	109	Standard	SAE CCS	5	16.6	\$ 57,900	\$ 499	\$ 4,779
BMW iX	305-311	305-311	83-86	Standard	SAE CCS	5	35.5	\$ 75,150	\$ 699	\$ 5,259
Cadillac Lyriq	303-326	303-326	86-92	Optional	SAE CCS	5	28.0	\$ 59,200	--	--
Chevrolet Blazer EV	279-320	279-320	96	Optional	SAE CCS	5	25.5	\$ 44,700	\$ 509	\$ 3,659
Chevrolet Bolt	262	262	120	--	NACS	5	16.2	\$ 27,600	--	--
Chevrolet Equinox EV	285-319	285-319	108	Optional	SAE CCS	5	26.4	\$ 34,995	--	--
Chevrolet Silverado EV	393-450	393-450	63-67	Standard	SAE CCS	5	57.7	\$ 55,895	--	--
Dodge Charger Daytona	216-308	216-308	70-98	Standard	SAE CCS	5	22.8	\$ 55,690	--	--
Ford E-Transit Van	108-159	108-159	TBD	--	SAE CCS	5	315.2	\$ 47,450	--	--
Ford F-150 Lightning	240-320	240-320	68-70	Standard	SAE CCS	5	52.8	\$ 54,780	\$ 356	\$ 6,950
Ford Mustang Mach-E	224-312	224-312	82-103	Optional	SAE CCS	5	29.7	\$ 37,795	\$ 459	\$ 4,349
GMC Sierra EV	283-410	283-410	64-68	Standard	SAE CCS	5	68.5	\$ 62,400	--	--
Honda Prologue	273-296	273-296	92-99	Optional	SAE CCS	5	25.2	\$ 39,900	\$ 269	\$ 5,099
Hyundai Ioniq 5	220-303	220-303	98-114	Optional	NACS	5	27.2	\$ 35,000	\$ 269	\$ 3,999
Hyundai Ioniq 9	311-335	311-335	TBD	Optional	NACS	7	22.0	\$ 58,955	\$ 369	\$ 4,999
Jeep Wagoneer S	270-303	270-303	87-97	Standard	SAE CCS	5	30.6	\$ 65,200	--	--
Kia EV9	230-304	230-304	80-89	Optional	NACS	7	20.2	\$ 54,900	\$ 409	\$ 3,999
Kia Niro Electric	253	253	113	--	SAE CCS	5	19.0	\$ 39,700	\$ 209	\$ 3,999
Lucid Gravity	337-450	337-450	90-111	Standard	NACS	7	21.3	\$ 79,900	--	--
Mercedes-Benz CLA EV	317-374	317-374	109-126	Optional	NACS	5	14.3	\$ 47,250	\$ 539	\$ 2,963
Mercedes-Benz EQB	205-251	205-251	87-107	Standard	SAE CCS	7	22.0	\$ 53,050	--	--
Mini Countryman SE	204-212	204-212	91-96	Standard	SAE CCS	5	24.8	\$ 50,100	--	--
Nissan LEAF	259-303	259-303	103-121	--	NACS	5	20.0	\$ 29,990	\$ 449	\$ 4,179
Polestar 3	279-350	279-350	77-95	Optional	SAE CCS	5	21.1	\$ 67,500	--	--
Rivian R1S	270-410	270-410	63-85	Standard	NACS	7	104.0	\$ 76,990	--	--
Rivian R1T	270-420	270-420	72-87	Standard	NACS	5	62.0	\$ 72,990	--	--
Subaru Solterra	227	227	104	Standard	NACS	5	27.7	\$ 38,495	\$ 395	\$ 2,896
Subaru Trailseeker	274-281	274-281	114-117	Standard	NACS	5	32.2	\$ 39,995	\$ 415	\$ 3,065
Subaru Uncharted	273-308	273-308	112-129	Optional	NACS	5	23.0	\$ 34,995	\$ 385	\$ 2,885
Tesla Cybertruck	325-335	325-335	78-79	Standard	NACS	5	121.0	\$ 69,900	\$ 849	\$ 5,000
Tesla Model 3	309-363	309-363	113-132	Optional	NACS	5	14.0	\$ 36,990	\$ 299	\$ 3,000
Tesla Model Y	306-357	306-357	122	Optional	NACS	5	66.0	\$ 39,990	\$ 459	\$ 3,000
Toyota bZ	236-296	236-296	117-130	--	NACS	5	27.7	\$ 34,900	\$ 329	\$ 4,999
Toyota bZ Woodland	281	281	117	Standard	NACS	5	33.8	\$ 45,300	--	--
Toyota C-HR	273-287	273-287	112-117	Standard	NACS	5	25.3	\$ 37,000	--	--
Volkswagen ID.4	263-291	263-291	102-113	Optional	SAE CCS	5	30.3	\$ 45,095	--	--
Volvo EX40	253-296	253-296	98-106	Optional	SAE CCS	5	18.9	\$ 56,545	\$ 565	\$ 4,015
Volvo EX90	300-305	300-305	81-84	Optional	SAE CCS	7	13.3	\$ 78,090	--	--

## Plug-in Hybrid Electric Vehicles (Gasoline + Electric)

BMW X5 xDrive50e	39	440	58	Standard	--	5	33.9	\$ 76,000	--	--
Hyundai Tucson PHEV	33	420	80	Standard	--	5	31.9	\$ 40,325	\$ 329	\$ 3,999
Kia Niro PHEV	33	510	108	--	--	5	19.4	\$ 34,490	--	--
Kia Sorento PHEV	32	460	79	Standard	--	7	45.0	\$ 48,290	\$ 419	\$ 3,999
Kia Sportage PHEV	34	420	84	Standard	--	5	34.5	\$ 40,490	\$ 299	\$ 3,999
Mazda CX-70 PHEV	26	490	56	Standard	--	5	39.6	\$ 44,250	\$ 199	\$ 7,739
Mitsubishi Outlander PHEV	38	420	64	Standard	CHAdEMO	5	30.8	\$ 40,445	\$ 299	\$ 3,298
Nissan Rogue PHEV	38	420	64	Standard	--	8	14.8	\$ 45,990	--	--
Toyota Prius PHEV	40-45	550-600	114	--	--	5	20.3	\$ 33,775	--	--
Toyota RAV4 PHEV	42	600	94	Standard	--	5	33.5	\$ 41,500	--	--
Volvo XC60 PHEV	36	560	63	Standard	--	5	17.8	\$ 62,545	--	--

EVs not shown: Audi e-tron Sportback, e-tron GT, A7, and A8; BMW 745e, i5, i7 and XM; Cadillac Escalade IQ, Optiq, and Vistiq; Genesis Electrified GV70 and GV60; Fiat 500e; GMC Hummer EV; Jaguar I-Pace; Lexus NX 450h+ PHEV and RZ all-electric; Lincoln Corsair PHEV; Lucid Air; Mazda CX-90 PHEV; Mercedes-Benz C350e, GLE550e, EQE and EQS; Porsche Cayenne S e-Hybrid, Panamera 4 e-Hybrid and Taycan; Volvo EX30, XC90 PHEV; VW ID.Buzz

MPGe, or Miles per Gallon equivalent, is a measure of vehicle efficiency based on the number of miles an electric car travels on the energy equivalent of a gallon of gasoline, or 33.7 kWh

<https://www.driveelectricvt.com/shopping/find-your-ev>

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