




NC CLEAN ENERGY TECHNOLOGY CENTER


Advancing Clean Energy for a Sustainable Economy

North Carolina Electric Vehicle Marketplace – Battery Electric Vehicles | 2019 / 2020


All-electric vehicles (EVs) use a battery pack to store the electrical energy that powers the motor. EVs are sometimes referred to as battery electric vehicles (BEVs). EV batteries are charged by plugging the vehicle in to an electric power source. Both heavy-duty and light-duty EVs are commercially available. EVs are typically more expensive than similar conventional and hybrid vehicles, although some cost can be recovered through fuel savings, a federal tax credit, or state incentives. – U.S. Department of Energy Alternative Fuels Data Center


	Audi e-tron					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	74	204	10 hrs (240V)	95	\$74,800


	BMW i3					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	113	153	5 hrs (240V)	42	\$44,450


	Chevrolet Bolt EV					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2020	118	259	10 hrs (240V)	60	\$42,110


	Jaguar I-PACE					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2020	76	234	13 hrs (240V)	90	\$69,850


	Nissan Leaf (40 kWh battery pack)					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	112	150	8 hrs (240V)	40	\$29,900


	Nissan Leaf (62 kWh battery pack)					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	108	226	11 hrs (240V)	62	\$36,550


	Nissan Leaf SV/SL (62 kWh battery pack)					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	104	215	11 hrs (240V)	62	\$38,510


	Porsche Taycan 4S					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model RSRP (2019 USD)
	2020	106	242	9 hrs (11 kW AC)	93.4	\$103,800

	Tesla Model 3 Long Range AWD					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	116	310	10 hrs (240V)	74	\$47,990

	Tesla Model 3 Standard Range Plus					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	133	240	9.5 (240V)	50	\$38,990

	Tesla Model S Long Range					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2019	111	370	12 hrs (240V)	100	\$79,990

	Tesla Model X Long Range					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model RSRP (2019 USD)
	2019	96	325	12 hrs (240V)	100	\$84,990

	Tesla Model Y Long Range					
	Year	Combined Fuel Economy (MPGe)	Total Range (miles)	Battery Charging Time	Battery Capacity (kWh)	Base Model MSRP (2019 USD)
	2020	80	273	8 hrs (11 kW AC)	75	\$48,000

* Information and photos were sourced or estimated from www.fueleconomy.gov and vehicle manufacturer websites.

* MSRP shown does not include tax credits.

* Availability for non-base models was assumed if any version of a given model was available.

* A vehicle was considered available if it could be ordered and delivered to a given dealership.

* As possible, only vehicle specifications for the most recent model year were reported.

¹ Electric range refers to a drive state in which the electric motor in the vehicle is engaged.