

# U.S. ELECTRIC PASSENGER CARS & TRUCKS

## Model Year 2020 >

*Information obtained from various online sources, mostly EV blogs and websites, and verified with manufacturers when possible. Missing data was not available at time of publication (Earth Day 2020). —The Editors*

**MODEL YEAR:** Traditionally, a model year turns over in the fall rather than year end. For a century now, such discipline in this regard across the industry has held, but MY can vary by manufacturer and even by model within a marque. Imposing a higher degree of conformity would only result in resentment and chaos. Such a competitive, capitalistic, carnivore-eat-carnivore marketplace is still with us in third decade of the 21st century. Just don't let the snapping jaws bite *you*.

**POWER:** The units that indicate rate of work and rotating moment are equivalent (after conversion), kilowatts and horsepower, newton-meters and pound-feet. One horsepower = 550 pounds raised one foot in one second = 745.7 watts; one pound-foot of torque = 1.356 newton-meters. The EU stipulates the latter; US and Asian gearheads insist on the former, but their days are numbered.

**RANGE:** An exploitable proposition. Mileage with a motor and battery is dependent on driving habit and local conditions as much as an engine that burns gasoline, and probably much more so. Actual, experiential range varies tremendously. At one extreme is an aggressive, trading-pit kind of driver, a recent Bob Bondurant graduate on an empty, patrolman-free highway; then there is Mister Magoo out for a drive in Lakeville, CT some pleasant Sunday morning. The former, not much better than a V8. The latter, several times better.

**PRICES:** Manufacturer Suggested Retail Price (MSRP) is a bit more stable than, say, dealer advertised price, but always dependent on economic climate, inventories involved, and what can only be termed corporate whim. If the model is in demand and supply is tight, the MSRP is reliable and even low. Counter example: The Chevrolet Bolt, with an MSRP of \$40,100 (plus or minus \$1,000 or so), now offers a maker's rebate of \$8,500 and dealer discounts of \$750 to \$4,500. You might actually get a 2020 Bolt for \$25,739 at Bomnin Chevrolet Dadeland, FL, saving more than \$14,000 (source: electrek.co).

MAKE & MODEL	TYPE	MODEL YEAR	OCCUP/DOORS	BAT. kWh	DRIVE	HP	Torque lb/ft	RANGE miles <sup>1</sup>	CHARGE 80%—Level 2/CCS	Basic MSRP \$	0-60 mph	SPECIAL FEATURE
<b>Audi e-tron</b>	crossover	2020	5/4	95	AWD	355	414	220	11 hr / 192m 30 min	75,000		
<b>Aston Martin Rapide EV</b>	sports sedan	2020	4/4	65			700	200			<4.0	sorry, entire 155-car production run sold out
<b>Bollinger B1</b>	offroad truck	2020	?/2		AWD	613	668	200				a steel slab with pilothouse; towing capacity 7,500 lb.
<b>BMW i3</b>	crossover	2021	5/4	42	rwd	168	250	153	4 hr / 122m 40 min	44,450	7.2	carbon-fiber chassis; made in China
<b>i4</b>	SUV	2020	5/4	75	AWD			250	10 hr / 200m 30 min	72,000	5.0	instead of iX3
<b>Byton M-Byte</b>	SUV	2020	4-5-04	72, 95	rwd	250		267, 341	? hr / 214m 30 min	45,000		new luxury Chinese brand from ex-BMW execs; like an X5
<b>Chevrolet Bolt EV</b>	crossover		5/4		fwd	200		259	10.5 hr / 100m 30 min	36,620		
<b>Fiat 500e</b>	mini-sedan	2021?	4/4	42		118		199	7 hr / 80m 35 min	34,500	9.0	Euro only?
<b>Fisker Ocean</b>	sedan	2022	4/4	225	AWD	300		250, 300		37,500	<3.0	finally, decisions made & kept
<b>Ford Mach-E</b>	muscle car	2020.5	4/2	70	rwd, AWD			230, 300	9, 12 hr / 47m 10 min	43,895-61,500	3.5	wireless home charging, software updates; Co-Pilot360
<b>F-150 Electric</b>	pickup truck	2022		4/4	rwd							
<b>Honda Clarity</b>	subcompact	2020?	4/2	fuel cell				360	refuels with H2	379 36-mo lease	9.5	uncertain for US; \$15,000 fuel rebate over 3 yrs
<b>Hyundai Ioniq EV</b>	compact	2020	5/4	38.3	fwd	134	218	170	6 hr / 136m 54 min	33,045		
<b>Kona EV</b>	crossover	2020	5/4	64	fwd	201	291	258	9.5 hr / 206m 54 min	37,190		
<b>Nexo</b>	SUV	2020	5/4	fuel cell	fwd	161	291	380	refuels with H2	59,395	8.4	CA only; 3 yrs free fuel
<b>Jaguar I-Pace</b>	SUV	2020	5/4	90	AWD	394		234		69,850	4.5	
<b>Kia Niro EV</b>	SUV	2020	4/4	64	fwd	201	291	239		39,090		
<b>Soul EV</b>		2020	4/4	64	fwd	201	291	243		35,000	7.0	
<b>Mazda MX-30</b>	SUC	2020?	4/4	35.5	fwd			125	5 hr / 80m 31 min	35,000	9.0	small forward-open rear doors
<b>Mercedes-Benz EQC 400</b>	crossover	2020	5/4	80	AWD	402	516	275-290	11 hr / 220m 40 min	70,000	4.8	like a GLC; two motors
<b>Mini Cooper Electric</b>	coupe	2020.5	4/2	32	fwd	181	199	110	5 hr / 88m 36 min	29,900	6.9	late 2020; shares major components with BMW i3
<b>Mitsubishi iMiEV ES</b>	subcompact	2020	4/4		rwd	66	145	62	7 hr / 48m <30 min	23,845		can be confused with a computer mouse

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<b>Nissan Leaf &amp; Plus</b>	SUV	2020	5/4	40, 62	fwd	147, 214	236, 250	150, 226		31,600		world's bestselling EV by far (on sale since 2011)
<b>Ariya</b>	crossover	2021	5/4	62	AWD	304	442	300				tamer iMS/; e-4ORCE handling
<b>Porsche Taycan</b>	sports car	2020	4/4	90		670		300	12 hr / 15 min	153,310	2.6 to 3.0	60 miles of charge in 4 min., 80% in 15 min
<b>Rivian R1</b>	SUV	2020	7/4	105, 135, 180		up to 750		400	16 hr / 200m 30 min	72,500	3.0	quad-motor design; made in Normal, IL; towing 7,700 lb, wading >3 ft
<b>R1T</b>	pickup truck	2020	5/4	105, 135, 180		754		400	16 hr / 200m 30 min	61,500	3.0	quad-motor design; made in Normal, IL; towing 11,000 lb, wading >3 ft
<b>Smart Fortwo</b>	Coupe	2020	2/2		rwd	80	118	58	2h 30m	27,390		no longer sold in US
<b>Tesla Roadster</b>	sports car	2020	4/2	200	AWD		7,376	620	11.5 kW 48A onboard charger	200,000	1.9	250+ mph; "the hard-core smackdown to gas cars"-EM
<b>Model S</b>	sedan, hatch	2020	5/4		AWD			391	? hr / 136m 15 min	73,990	2.3	dual motors; 0.23 Cd
<b>Model 3</b>	SUV	2020	4/4		AWD			250-310	? hr / 172m 15 min	39,990	5.3	
<b>Model X</b>	sedan	2020	4/4		AWD			258-328		84,990		gullwing doors in back
<b>Model Y</b>	crossover	2020	7/4	50 -75	rwd, AWD			280-300	12 hr / 168m 15 min	52,990	3.5	Model 3 variant with 3 versions; full self-driving
<b>Cybertruck</b>	car/truck	2021?	6/4		rwd			250		39,000	6.5	towing 7,500+ lb.
<b>Toyota Mirai</b>		2020	4/4	fuel cell				312	refuels with H2	58,000	4.7	Kudos for the first fuel-cell passenger car. H2 only!
<b>VW e-Golf</b>	compact	2020	4		fwd			125	6 hr / 100m 1hr	31,895		
<b>ID.4</b>	SUV	2021	4	83	rwd, AWD	201, 302		310		35,000		
<b>ID.Buzz</b>	microbus	2022		111	2w	369		300	? hr / 240m 30 min			best youth transport ever
<b>Volvo Polestar 2</b>	fastback	2020	5/5	75	AWD	408	485	300	8-10 hr / 240m 45 min	40-65,000		new sub-brand; two motors
<b>XC40 Electric</b>	crossover	2021	4/4	78	AWD	408		250	7.5 hr / 200m 40 min	<50,000	4.7	