
New BEVs of 2020

— & Beyond! —

VELOZ[®]



700,110

ca sales



1,451,404

usa sales



24,439

ca charging
plugs



43

ca hydrogen
stations



48

ca models
available

Note: CA sales fluctuate between 45%-50% of national sales.
Reference: www.hybridcars.com and www.insideevs.com

Q4 2019 Data Update.
Posted February 24, 2020

PHEVs - Plug-in Hybrid Electric Vehicles

- **Engine Extends Range:** Gasoline engine powers car after battery is depleted (or heavy load)
- **Charging:** home at night, workplace at day
- **Recommendation:**
 - Good match for 1 or 2 car family, or if long trips are frequent
 - Best when battery range covers typical daily use
- **Reduced Engine Wear:** Example: Jay Leno 450 miles of Volt gas engine wear after 11,000 miles of driving.

BEVs - Battery Electric Vehicles

- **Range:** typical 70 to 110 miles per charge (except Tesla, Bolt)
- **Charging:** home at night, workplace at day
- **Commuting or City Car:** Fun to drive, inexpensive to own, easy to park, very safe vehicles
- **Recommendation:**
 - Range should be 2X typical daily usage.
 - Excellent for two-car families
 - Always get a DC Fast Charger port
- **Risk:** Occasionally may need to stop at public charger to boost range (9 min gains 24 miles)

$$\text{PEV} = \text{PHEV} + \text{BEV}$$

Porsche Taycan (Mission E)

Expected Release: Currently Available!

Range: 192mi / 201 mi (79 / 93 kWh)

Price: \$103,000 / \$185,000



Audi e-Tron

Expected Release:
Currently Available!!

Range: 204 range
(95 kWh)

Price: \$74,800



Rivian R1T & R1S

Expected Release: Late 2020

Range: 230+, 300+, 400+ miles (105, 135, or 180 kWh)

Price: \$69,900

Rivian R1T and R1S electric pickup and SUV delayed until 2021 due to coronavirus



VIKNESH VIJAYENTHIRAN

APRIL 8, 2020

5 COMMENTS



View Gallery



Mustang Mach-E

Expected Release:
Late 2020

Range: 210, 300
miles (est) (75.7
kWh or 98.8 kWh)

Price: \$43,895



Tesla Model Y

Expected Release:
Out now!

Range: 315 miles
(75 kWh)

Price: \$48,000



Mini Cooper-E

Currently Available?

Range: 110 miles
(32 kWh)

Price: \$29,000
(base)



Polestar 2

Expected Release:
July 2020

Range: 275mi range
(78 kWh)

0-60: 4.7 seconds

Ground Clearance:
5.9 inches

Price: \$63,000+



Mercedes EQC

Expected Release:
2021

Range: 280mi range
(80 kWh)

0-60: 5.1 seconds

Ground Clearance:
5.1 inches

Price: \$67,900+



Volkswagen

ID 4/CROZZ: Late 2020

Tiguan-sized

\$35-45,000

Range: 311 mi (83 kWh)

ID BUZZ: 2022

Range: 300 mi (111 kWh)



Byton M-Byte

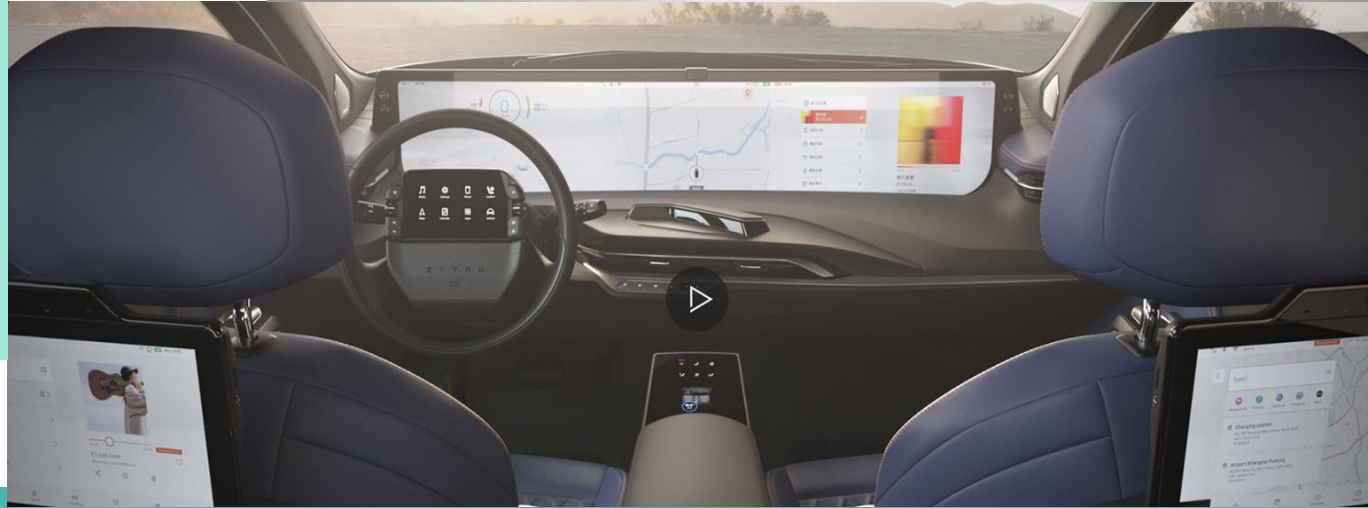
Expected Release:
Late 2020

Range: 250mi range
(72 or 95 kWh)

0-60: 5.5 seconds

Price: \$45,000+

***K-Byte in 2021**



Lucid Air

Range: 240, 310,
400 miles

Battery Capacity:
75, 100, 130 kWh

Price: \$60,000+

Expected Release:
late 2020



Notable Mentions

Nikola Badger - 600 miles - H2 + BEV - Sept 2020



GMC Hummer EV - Reveal May 2020



Pre-Production model shown. Initial availability Fall 2021.

Coming Soon-ish

- Nissan Ariya
 - Prototype
 - Nissan Rogue-esque
- Canoo:
 - Urban Loft on Wheels
 - 250 miles
 - late 2021



Summary of BEVs

Vehicle	Body Type	Max Range (miles)	Max Price (\$ MSRP)	Battery Pack (kWh largest)	0-60 (sec)	Max Charging Speed (kW)	Availability
Porsche Taycan	Sedan	201	185,000	93	2.4	270	Out now!
Audi e-Tron	SUV	204	77,000	95	5.5	150	Out now!
Rivian R1T	Pick-up Truck	400+	? (100,000?)	180	3	160	2021!
Rivian R1S	SUV	410+	? (100,000?)	180	3	160 (?)	
Mustang Mach-E	SUV	300	61,600	98	3	150	Late 2020
Tesla Model Y	CUV	315	61,000	75?	3.5	250 (?)	Out now!
Polestar 2	Sedan	275	63,000+	78	4.7	150	Jul-20
Mercedes EQC	SUV	280	70,000+	80	4.8	110	2021
VW ID.4	SUV	310	45,000	83	?	150	late 2020
Lucid Air	Sedan	400	100,000	130	2.5	150 (?)	August 2020!
Mini Cooper-E	Hatchback	110	37,000 +	32	6.9	50	Out now?
Byton M-Byte	SUV	286	55,000+	95	5.5	150	2021

Going electric could be good for your love life

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Sasha Lekach
@sashajol



Valentine's Day is charging up, so I have to ask:
Would you be more ~into~ someone if you found out they drove an electric car? 🍷❤️

- 64% YES love battery power
- 11% MEH hybrids are p lame
- 25% NO too much range anxiety

255 votes • Final results