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PLUGGED IN TO THE FUTURE

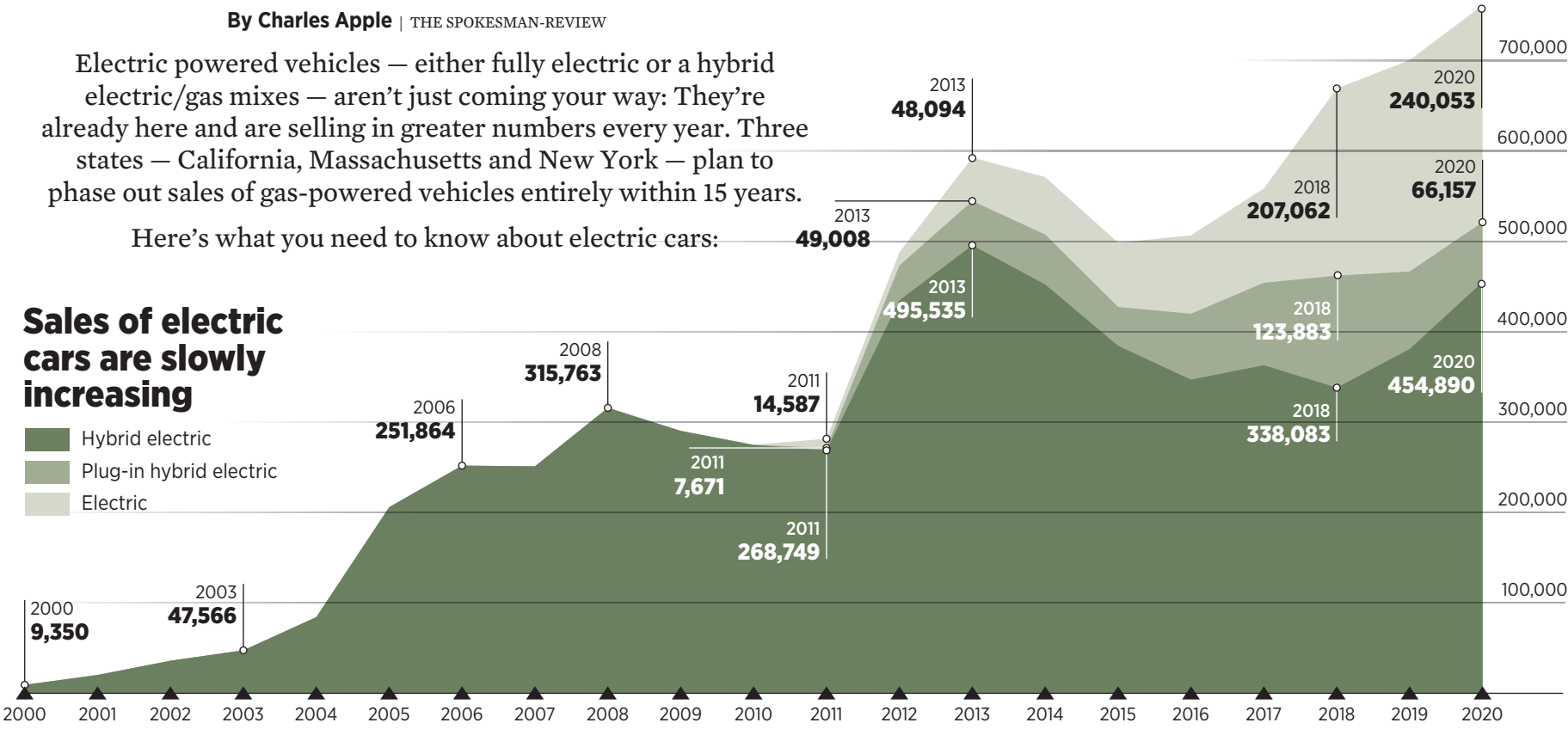
By Charles Apple | THE SPOKESMAN-REVIEW

Electric powered vehicles — either fully electric or a hybrid electric/gas mixes — aren’t just coming your way: They’re already here and are selling in greater numbers every year. Three states — California, Massachusetts and New York — plan to phase out sales of gas-powered vehicles entirely within 15 years.

Here’s what you need to know about electric cars:

Sales of electric cars are slowly increasing

- Hybrid electric
- Plug-in hybrid electric
- Electric



	BASE PRICE	Tesla
	\$132,000	Model Y 132,000
	BASE PRICE	Tesla
	\$94,900	Model Y 94,900
24,803	Chevrolet Bolt EV and EUV	BASE PRICE \$37,495
18,855	Ford Mustang Mach-E	BASE PRICE \$43,995
12,279	Volkswagen ID.4	BASE PRICE \$41,190
10,074	Nissan Leaf	BASE PRICE \$32,620
7,793	Audi e-tron and e-tron Sportback	BASE PRICE \$66,995
7,656	Hyundai Kona Electric	BASE PRICE \$38,575
7,228	Porsche Taycan	BASE PRICE \$81,250
5,400	Tesla Model S	BASE PRICE \$81,190
3,000	Tesla Model X	BASE PRICE \$91,190
1,595	Hyundai Ioniq Electric	BASE PRICE \$34,250

Part of the problem: The prices of EVs are still fairly high

The best-selling electric cars of 2001 — so far

Another obstacle: We’ll need a lot more charging stations

The number of public EV charging stations by state, as of Dec. 7, 2021

The three primary types of electric cars

HEV or Hybrid Electric Vehicles
There is a gas engine, which is only used to charge the car’s batteries — which actually power the car. The engine can also kick in when an extra boost is needed — like when going up a hill or passing on the interstate.

PHEV or plug-in Hybrid Electric Vehicles
There is a gas engine, which the driver can engage at will. The batteries are recharged from an external source.

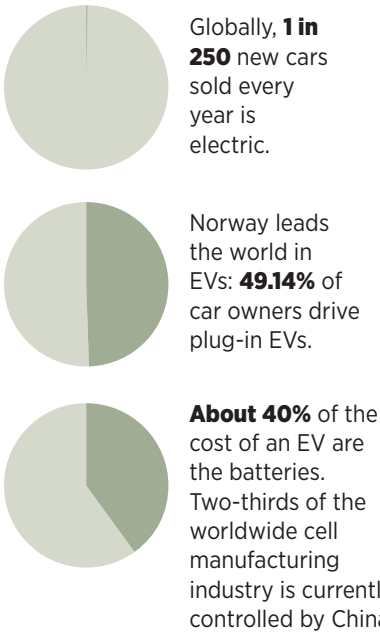
BEV or Battery Electric Vehicles
There is no gas engine. The batteries that power the vehicle are recharged from an external source.



MARTIN MEISSNER/ASSOCIATED PRESS

A new full electric car BMW iX is charged at an auto show in Essen, Germany.

EVs by the numbers



Sources: U.S. Dept. of Transportation, U.S. Dept. of Energy, International Energy Agency, Union of Concerned Scientists, Car and Driver, the Economist, NPR, the Verge, PolicyAdvice.net, Interesting Engineering.com, UtilityDrive.com, EV-Volumes.com