



The Future is Electric: Let's Drive There Together

March 2022

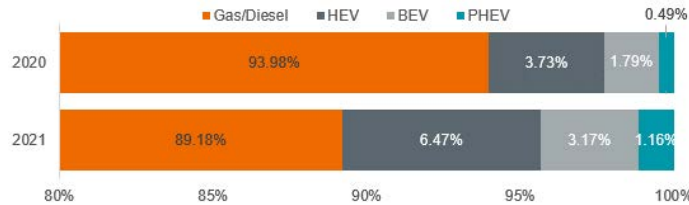
Electrifying Investments:

**\$71.5
Billion**

From 2017 through 2030 automakers commit to investing **\$71.5 Billion in the U.S. to electrify products**. From new assembly plants and battery factories to retooling and upgrading existing facilities, the automotive industry is investing in vehicle electrification.

On a global scale, automakers are planning to spend an estimated **\$515 billion** over the next decade.

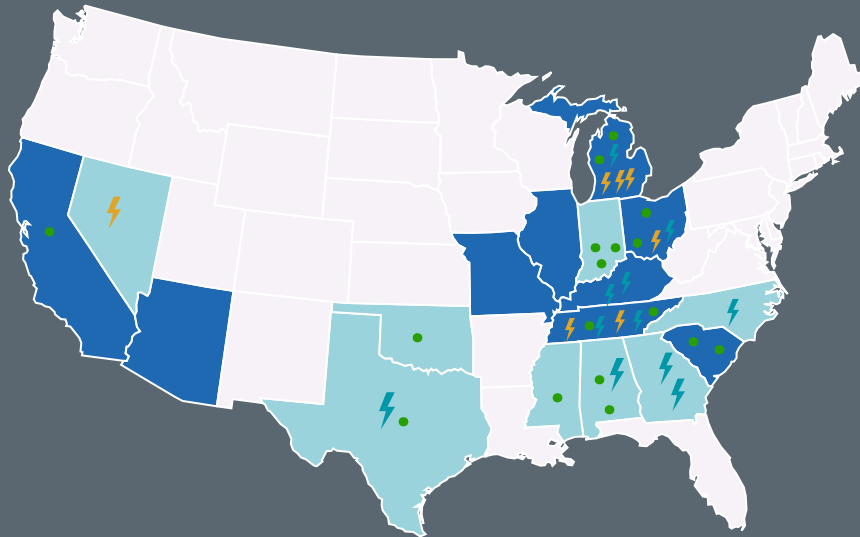
Powertrain Sales



Electric Model Production:

BMW X3
BMW X5
Cadillac Lyriq
Cadillac Celestiq*
Chevrolet Silverado*
Chevrolet BOLT
Ford ESCAPE
Ford E-Transit
Ford F-150 Lightning
General Motors Hummer EV Edition 1
Jeep WRANGLER
Jeep WRANGLER MAGENTO*
Lexus SUV*
Lincoln AVIATOR
Lincoln CORSAIR
Lordstown Motors Endurance*
Lucid Air
Mercedes-Benz EQE SUV*
Mercedes-Benz EQS SUV*
Mercedes-Benz eSprinter*
Nissan LEAF
Polestar 3*
Rivian R1T, R1S
Tesla Cybertruck*
Tesla MODEL 3, S, X, Y
Toyota SUV*
Volvo S60
Volkswagen ID.4*
*Announced Models

Electric Vehicle & Battery Production Locations in the U.S.



Existing EV Production Sites:
Spartanburg, South Carolina - BMW
Orion Township, Michigan - Chevrolet
Kansas City, Missouri - Ford
Louisville, Kentucky - Ford
Chicago, Illinois - Ford
Dearborn, Michigan - Ford
Hamtramck, Michigan - GM
Spring Hill, Tennessee - GM
Toledo, Ohio - Jeep
Casa Grande, Arizona - Lucid
Smyrna, Tennessee - Nissan
Normal, Illinois - Rivian
Fremont, California - Tesla
Ridgeville, South Carolina - Volvo

Battery Manufacturing:

Sparks, NV - Tesla / Panasonic
Rawsonville, MI - Ford
Brownstown, MI - GM
Chattanooga, TN - Volkswagen
Smyrna, TN - Envision AESC
Springboro, OH - American Battery Solutions
Holland, MI - LG Energy Solutions



In 2019, the National Science Foundation estimated the auto industry spent more than \$24 billion on R&D in the U.S. alone.



**ALLIANCE
FOR AUTOMOTIVE
INNOVATION**

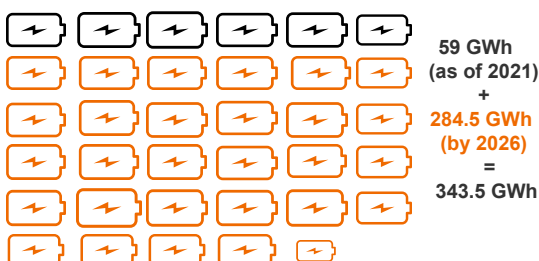
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ELECTRIC VEHICLE QUARTERLY REPORT

Find out more about the EV market [HERE](#)

U.S. and China Global Subcomponent Capacity Share

	Current		Under Development	
	U.S.	China	U.S.	China
Cathode Share	0.7%	63.0%	0.0%	84.0%
Anode Share	0.6%	84.0%	0.0%	91.0%
Separator	3.0%	66.0%	0.0%	76.0%
Electrolyte	7.0%	69.0%	2.0%	75.0%

Battery Plant Manufacturing Capacity in the U.S. Increasing 428% By 2026



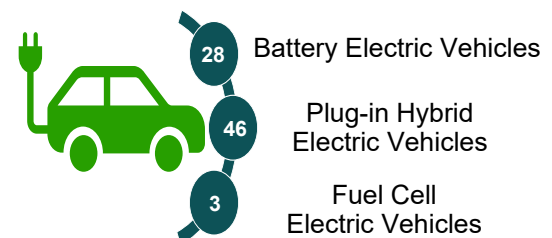
In 2020, there was about 630 GWh of global battery production capacity, which is expected to grow to about 2,300 GWh by 2025.



By 2023, the U.S. will have produced more than **4 million electric vehicles**.

There are over 280 million light vehicles registered in the U.S.

Powertrain Options Available in U.S.



Charging Infrastructure		
Level 2	DC Fast	Hydrogen
91,505	22,531	48

(As of March 2022)