

New GM electric truck faces competition and skeptical buyers

January 5 2022, by Tom Krisher



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

The competition among U.S. automakers for a still-small pool of consumers seeking electric vehicles is quickly intensifying.

General Motors, normally the top-selling U.S. automaker, officially unveiled the Chevrolet Silverado EV Wednesday with a virtual press conference at the CES gadget show. Work truck versions go on sale in the spring of next year, followed in the fall by a high-end consumer version.

By then, they'll face competition from rival Ford's electric F-150, startup Rivian's R1T, and possibly Tesla's Cybertruck. Stellantis, formerly Fiat Chrysler, has promised an all-electric Ram.

Industry analysts say the intense competition in the electric pickup market means that battery-powered vehicles are moving into the mainstream after years of confinement to luxury or smaller vehicles.

Pickups are among the most popular vehicles in the nation. Ford's F-Series is traditionally the top-selling vehicle in America, followed by Stellantis' Ram pickup and the Silverado. Automakers sold more than 2.3 million big pickups last year, about 15% of all vehicles sold in the U.S. Many go for well over \$50,000 and are a huge source of profits and jobs with the automakers.



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

But converting buyers from gas and diesel powered V8 and V6 engines may be a tough sell, especially for those who need the trucks for work.

"These are very loyal buyers, and they're not only loyal to the brands, they're loyal to the engines," said Jeff Schuster, president of global forecasting for LMC Automotive, an industry consulting firm. "They know all the specs of what they're driving as well. They definitely tend to be motorheads or gearheads."

Brian James, who works for a Birmingham, Michigan, company that supplies heaters and dehumidifiers for construction sites, says an electric

truck wouldn't work for his business, which has clients in four states.

Some days they drive more than 400 miles (643.7 kilometers) one-way to deliver heaters. "I go there. I deliver two heaters, and I've got to drive back," James said Tuesday at a housing subdivision under construction near Ann Arbor, Michigan. "How long is it going to take me to charge the batteries?" for the return trip, he asked, also wondering where charging stations would be located.



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

GM says the new Silverado EV has all the answers. It's planning to sell

the truck's roomier cabin and better handling than its combustion trucks. The Silverado, and competitors, also have the ability to power tools on the job site, tow trailers and even power a house when the electricity goes out.

The initial Silverado work truck, and a version for consumers that comes out in the fall of 2023, will be able to travel 400 miles on a single charge. It can handle direct-current fast chargers and get up to 100 miles of range in 10 minutes.

To ease anxiety over running out of juice, the truck will map a driver's route, showing the optimal charging stations along the way, said Nichole Kraatz, chief engineer on the truck. "It's really important that we integrate that for the customer so they don't feel that pressure and pain point and anxiety about not having enough charge to get through their drive," she said.

GM has agreements with 10 major charging companies for buyers to seamlessly use their stations, Chevrolet Marketing Vice President Steve Majoros said.



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

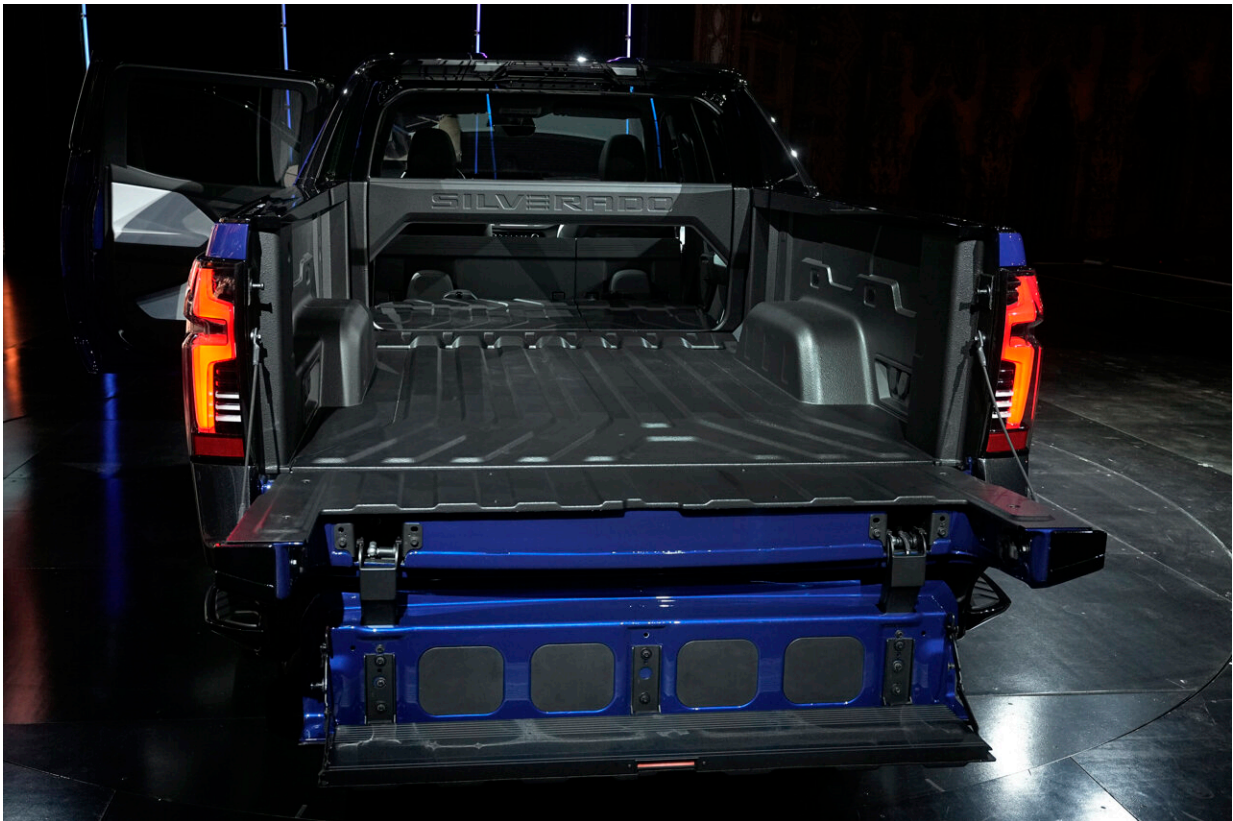
The trucks also offer up to 10 outlets to power electric tools at job sites and can go from zero to 60 mph in as little as 4.5 seconds. Initially they will tow up to 10,000 pounds and carry up to 1,300 pounds in the bed, but later versions will tow up to 20,000 pounds.

GM wouldn't say the price of the first work truck, but said the early retail version, the RST, will start at \$105,000. Lower range versions will become available later, starting at just under \$40,000, about the same price as the electric trucks from Ford and Tesla.

The \$105,000 truck is fully loaded, and although it's about the same size

as a gas-powered Silverado, it's got more interior space and better front sight lines, Kraatz said. The truck is built on GM's modular "Ultium" platform on which the company build a number of vehicles, lowering development costs.

CEO Mary Barra said in her address at CES a \$30,000 Chevy Equinox small SUV on the same underpinnings is coming in 2023, as is a slightly larger Blazer SUV.



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

The Silverado EV looks sleek and doesn't have the high hood with a

huge mean-looking grille that come with the gas Silverado. Electric vehicles don't need grilles to send air to cool the radiator.

Majoros said GM research has shown the EV will appeal to existing truck owners, but also to people who are new to the segment and electric vehicles. "If you have something that's purpose-built, that still has that sense of strength and confidence but isn't over the top, I think that's the right place to be," he said.

GM says it has the flexibility to make work and off-road versions look brawnier.

Lower-priced trucks will be able to go more than 200 miles per charge, but GM wouldn't give the exact number.

Early results show promise of a big market. Ford says it has 200,000 reservations for the F-150 Lightning electric pickup, which comes out in the spring. Earlier this week [Ford announced plans to nearly double annual production](#), before the first trucks are sold. Tesla reportedly has hundreds of thousands as well.



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya



The 2024 Chevrolet Silverado EV RST is shown in Detroit, Wednesday, Jan. 5, 2022. Credit: AP Photo/Paul Sancya

President Joe Biden is pushing to convert the fleet of vehicles to electric to help reach a goal of net-zero greenhouse gas emissions by 2050. With automakers, he has set a goal that electric cars and trucks account for half of new vehicles sold by 2030.

Automakers say tax credits in a stalled \$2 trillion social and environmental policy bill are needed to lower the cost of EVs. A \$1 trillion infrastructure law authorizes a nationwide network of charging stations and [sets aside \\$5 billion for states to build them](#).

Schuster said the Silverado EV is another sign that the transition to

electric vehicles is taking place, but it won't happen overnight. Last year sales of fully electric vehicles rose 87.9% to nearly 489,000, but they still accounted for only 3.2% of the market. Schuster predicts that will rise to 12.8% by 2025 and 33.1% by 2030.

This story has been corrected to fix the spelling of Chief Engineer Nichole Kraatz's first name.

© 2022 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: New GM electric truck faces competition and skeptical buyers (2022, January 5)
retrieved 14 December 2025 from

<https://techxplore.com/news/2022-01-gm-electric-truck-competition-skeptical.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--