



# Canada electric vehicle safety

Are EVs safe in Canada?

Every EV model available for sale in Canada must undergo rigorous safety testing and meet the same Canada Motor Vehicle Safety Standards as conventional vehicles. Overall, safety issues in EVs are covered by the international standard ISO 6469, which addresses onboard electrical energy, protection against failure, and electrical hazards.

What is Canada's safety framework for connected and automated vehicles?

I'm pleased to present Canada's Safety Framework for Connected and Automated Vehicles 2.0. This Safety Framework describes Transport Canada's progress in advancing connected and automated vehicle safety technology since the original framework was published in 2019.

What is motor vehicle safety in Canada?

In Canada, motor vehicle safety is a shared responsibility among federal, provincial/territorial, and municipal governments, industry partners, and road users. Transport Canada regulates and enforces the safety performance of new and imported motor vehicles and equipment under a self-certification regime.

How will Canada's EV charging regulations affect electric utilities?

Electrical utilities in Canada will face significant hurdles in ensuring distribution grids can handle the substantial demand for EV charging capacity. Upgrading and expanding various grid components will be necessary, but the compressed timeframe imposed by the regulations raises uncertainty about timely completion.

Overall, EVs in Canada are proving to be a safe and reliable choice for consumers, with numerous safety features and rigorous testing ensuring their safety on the roads.

Employers and drivers can use our tool kit to understand and manage the risks. When considering an EV for work, make safety a priority in your selection criteria. Be sure the vehicle is suitable for the ...

On December 20, 2023, the Government of Canada announced new regulations that require a specified percentage of manufacturers' and importers' fleets of new light-duty vehicles ...

This paper examines Canada's plan to mandate that by 2035 100 percent of new vehicles sold will be zero-emission vehicles under the federal government's Electric Vehicle Availability ...

Electric vehicle imports from China On January 16, 2026, the Government of Canada announced a new strategic partnership with the People's Republic of China, including a Preliminary ...

Learn about Canada's EV safety regulations, including battery safety, crash testing, and sound emission requirements for electric vehicles.

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For safety, Canada's Canadian Standards Association (CSA) and Underwriters Laboratories of Canada (ULC) enforce strict safety and testing standards for all publicly accessible ...

Canada's Safety Framework for Connected and Automated Vehicles 2.0 informs stakeholders of Transport Canada's safety-focused approach to connected and automated vehicle ...

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