



# Electric vehicle safety st george

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Many states offer their own incentives, including rebates and other non-monetary incentives like unlimited access to the HOV lane, which saves you time in traffic. To see your state's incentives, visit <https://afdc.energy.gov/laws/state>.

Regenerative braking adds to your charge as you drive. When the vehicle is coasting and the driver touches the brake pedal, the electric motor acts as a generator, slowing the car and pumping electric power back into the battery. Essentially, the momentum of the car is converted into extra power, extending your range as you go.

There are over 65,000 charging stations throughout the United States, with more being added practically every day. The best way to find them is with Mercedes me Charge, our charging ecosystem. Mercedes me Charge integrates multiple charging networks into one, giving you more freedom and flexibility. You can view all available places to charge in the Mercedes me Connect app or even in the head unit of your Mercedes-EQ vehicle.

Yes, but it's worth noting that a standard household outlet is a 110V outlet which is far less powerful than a 240V outlet, which is typically found with dryers or can be installed by a licensed electrician. The good news is that having a 240V charging station installed in your home is easy. The ChargePoint Home Flex is the wallbox we'd recommend. Please go to their website to purchase one. In addition, we recommend using Qmerit for installation.

Every Mercedes-Benz electric vehicle has specific features to ensure safe charging. Instead of the electricity flowing as soon as it's plugged in, like a traditional appliance, the vehicle and wallbox converse to make sure it's safe before any electricity flows. Special attention has also been paid to make sure you can safely charge in wet weather.

No. While many electronics benefit from an occasionally empty battery, the lithium-ion battery has no "memory effect," meaning they never have to be drained, nor do they have to be fully-charged. The life of the battery remains unaffected.

Lithium-ion batteries are known for being lightweight, quick to charge, and having a long service life, which makes them perfect for electric cars. Our lithium-ion batteries are automotive grade batteries, unlike the ones that are in our mobile phones, laptops, and other devices, they are engineered for longevity.

No, careful attention is paid by our engineers to ensure that a Mercedes-Benz EQ vehicle meets our high standards of safety. The battery pack is sealed, and high-voltage circuits are protected from casual contact and appropriately marked so you know where they're located. All high voltage cables and circuits are also marked



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and are in bright orange with warning labels on them.

The same high safety standards that define Mercedes-Benz cars apply to our electric vehicles. The batteries are all safely protected in the event of an accident, and depending on the severity of the accident, the high voltage system is automatically disconnected in fractions of a second.

Since the battery used in our electric vehicles is automotive-grade, it's extremely durable and engineered for longevity and reliability. Very rarely does a battery need to be replaced during the average ownership period.

Are you considering a switch to electric mobility? Embarking on the EV journey with Mercedes-Benz can be exciting, but it's natural to have some questions. Let's dive into the most commonly asked questions about the Mercedes-Benz EV lineup at Mercedes-Benz of St. George in Mesquite, Santa Clara, and Hurricane.

Many states offer incentives for electric vehicle (EV) ownership, which can include rebates and other non-monetary benefits such as unlimited access to the HOV lane, saving you valuable time in traffic. Importantly, the cost of electricity is often much cheaper than gas, making Mercedes-Benz EVs an economically sound choice. New Mercedes-Benz EV owners also enjoy 2 years of free, unlimited 30-minute charging sessions through Electrify America, making long-distance travel essentially cost-free.

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