

## Gas vs Electric: A Quick Comparison

Explore the details outlined in this table to make informed decisions about your preferred automotive technology. Whether your focus is on sustainability, operational efficiency, or incentives, this comparison provides a perspective on Internal Combustion Engine (ICE) vehicles and Electric Vehicles (EVs).

Aspects	ICE	EV
<b>Operating costs</b> <i>Learn more about it <a href="#">here</a>.</i>	Higher operating costs due to complex engines (~2K moving parts). Dependent on volatile fuel prices, but estimated at \$3 per gallon.	Lower operating costs due to simple engines (only ~20 moving parts), reduced maintenance needs and potential savings on charging compared to fuel costs, estimated at \$1 per gallon.
<b>Fueling and Charging</b> <i>Learn more about it <a href="#">here</a>.</i>	Requires traditional refueling at gas stations.	Charge at home or public charging points.
<b>Performance</b> <i>Learn more about it <a href="#">here</a>.</i>	Traditional acceleration characteristics. Conventional vehicles only convert about 12%–30% of the energy stored in gasoline to power at the wheels.	Instant torque for quick acceleration, providing a quiet, smooth and dynamic driving experience. EVs convert over 77% of the electrical energy from the grid to power at the wheels.
<b>Environmental Impact</b> <i>Gain more insights <a href="#">here</a>.</i>	Emits air pollution and greenhouse gas emissions during operation, relying on fossil fuels. Lacks recycling advancements, contributing to environmental challenges and sustaining dependence on non-renewable resources.	Produces zero tailpipe emissions during operation and relies on renewable energy sources. The environmental impact is further reduced through advancements in battery recycling, which focuses on recovering valuable materials.
<b>Incentives</b> <i>Obtain more information <a href="#">here</a>.</i>	Limited incentives for traditional vehicles.	Various incentives, including tax credits (up to \$7,500) and rebates (up to \$4,000).
<b>Technology &amp; Innovations</b> <i>Gain more insights <a href="#">here</a>.</i>	Limited scope for significant advancements in technology to improve vehicle range or usability.	Constant innovations in battery technology, charging infrastructure, and smart mobility solutions that improve vehicle range and the overall driving experience.