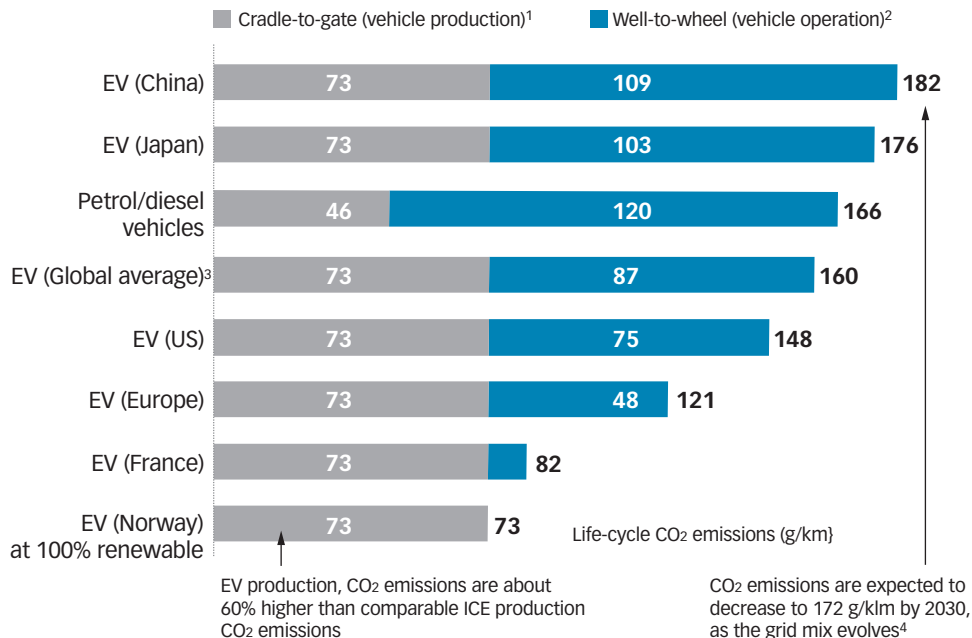


How clean an EV is depends on where it is driven in



Note: 150,000 km compact sedans

1 Global estimate; in addition to differences in battery chemistry and size, differences by region in carbon dioxide emissions from production are not shown but will occur as a result of differences in manufacturing techniques and energy sources used. The estimate here is based on China's battery manufacturing and grid mix.

2 Carbon dioxide emissions from electricity generation (g/kWh) are from 2017 or the most recent available; calculations assume electric efficiency of about 5.6km/kWh; includes carbon dioxide emissions from maintenance (such as replacement fluids, tires and lead acid batteries) as well as fuel production and combustion or electricity generation.

3 At an average carbon intensity of about 478 g/kWh of carbon dioxide.

4 Operation emissions of carbon dioxide fall to 99 g/km due to an anticipated reduction in carbon intensity to about 550 g/kWh of carbon dioxide in 2030 (down from about 605 g/kWh of carbon dioxide in 2018)