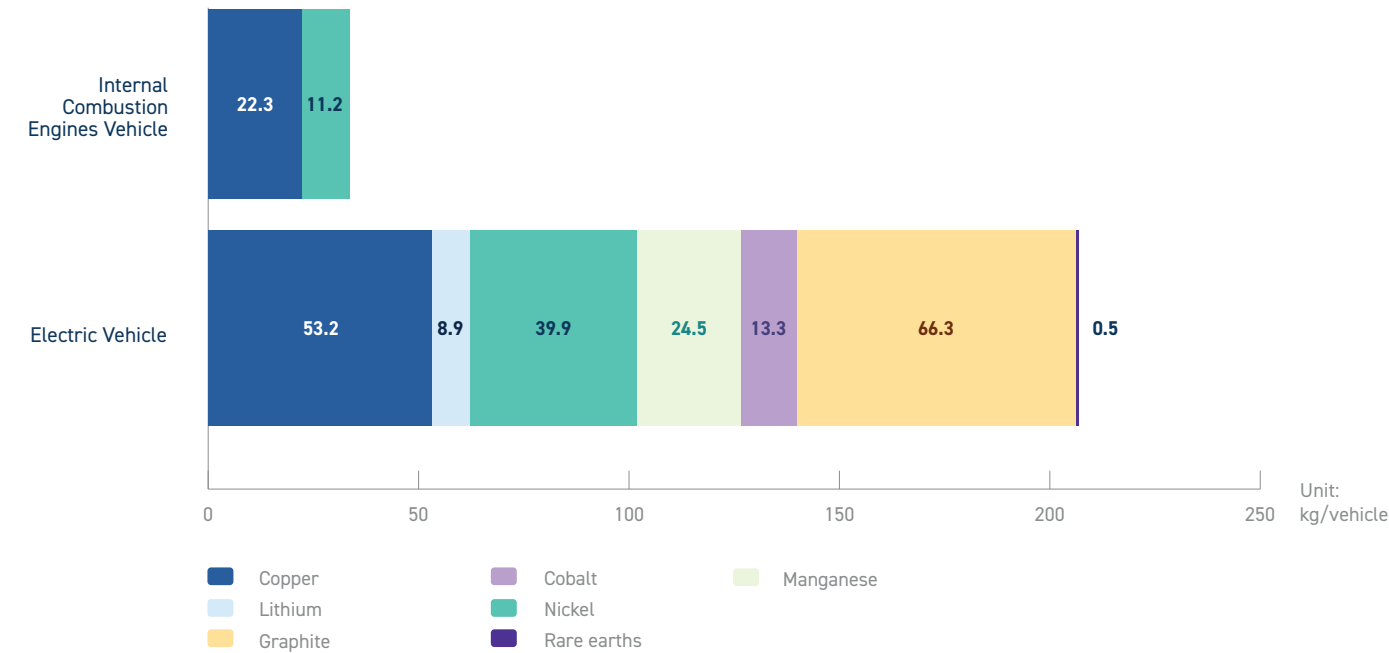


FIGURE
29

MINERALS USED IN ELECTRIC CARS
COMPARED TO CONVENTIONAL CARS

Source: International Energy Agency



A typical electric vehicle (EV) requires six times the mineral inputs of a conventional car. Lithium, nickel, cobalt, manganese and graphite are crucial to battery performance, longevity and energy density, whereas rare earth elements are essential for permanent magnets that are vital for EV motors. The shift to EVs is set to drive a huge increase in the requirements for these minerals, meaning that the energy sector is emerging as a major force in mineral markets.

Note: The data have not been updated since 2021