

# Riding the Electric Wave

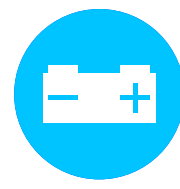
## Copper in a Renewables Powered Future

Global copper demand for alternative energy sources is expected to jump from **2.1M** tonnes in 2020 to **4.3M** tonnes in 2030.

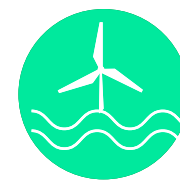
### The Essential Metal for the Energy Transition



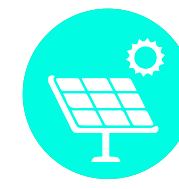
Power grids



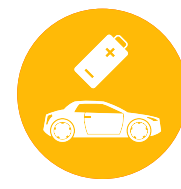
EV batteries



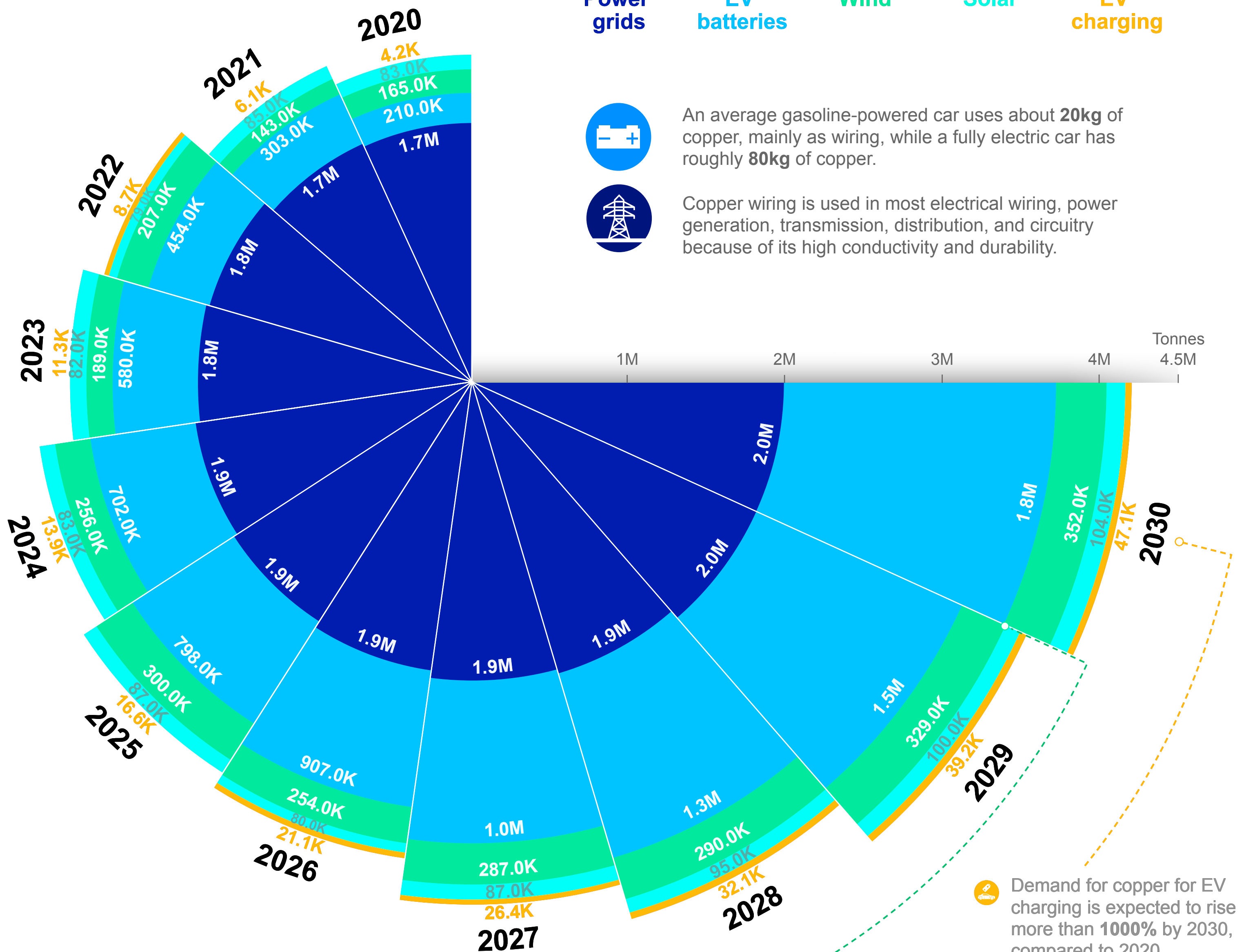
Wind



Solar



EV charging



An average gasoline-powered car uses about **20kg** of copper, mainly as wiring, while a fully electric car has roughly **80kg** of copper.

Copper wiring is used in most electrical wiring, power generation, transmission, distribution, and circuitry because of its high conductivity and durability.

Copper's superior electrical and thermal conductivities are vital in the collection, storage and distribution of solar energy.

Copper demand from wind power installations could more than double by 2030.

Demand for copper for EV charging is expected to rise more than **1000%** by 2030, compared to 2020.

Source: BloombergNEF

As the world moves towards alternative energy sources, copper will remain in high demand.

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