

html

carboncalcpcf.com

zevexfymok Carbon Footprint Dashboard

Total PCF: **40.58 kgCO₂e**

40.58

Total Footprint (kgCO₂e)

40.58

Carbon Intensity (kgCO₂e/unit)

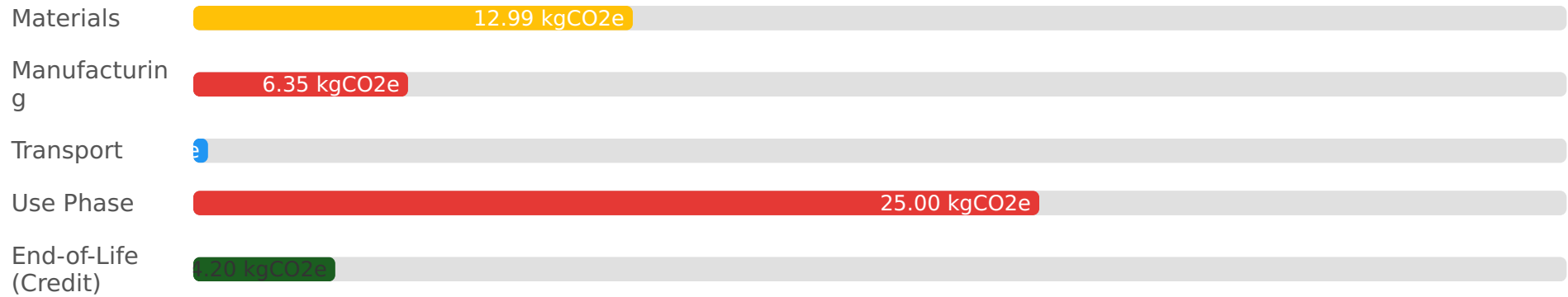
Lithium-ion Battery

Top Material Hotspot

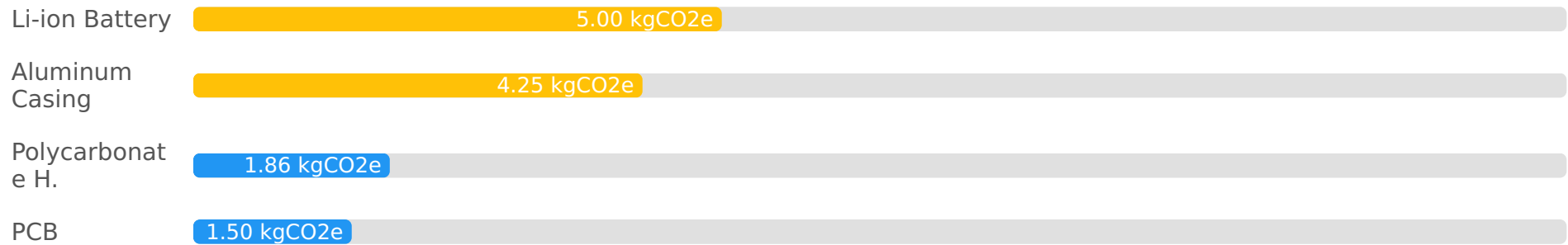
Scope 3

Primary Emission Scope

Lifecycle Emissions Breakdown



Top Material Carbon Impact



Highlights & Hotspots

- The **Use Phase** is the most significant hotspot, contributing 25.00 kgCO₂e due to product energy consumption over its lifespan.
- **Material Acquisition**, particularly for the Lithium-ion Battery and Aluminum Casing, is a major contributor at 12.99 kgCO₂e.
- Despite 30% renewable energy use, **Manufacturing Energy** still adds 6.35 kgCO₂e, indicating room for further greening the production process in China.
- **End-of-Life circularity** provides a significant credit of -4.20 kgCO₂e, demonstrating the positive impact of recycling and take-back programs.

Recommendations for Reduction

- **Enhance Use Phase Efficiency:** Focus on designing more energy-efficient products and educating users on sustainable usage patterns.
- **Sustainable Material Sourcing:** Prioritize materials with lower embedded carbon, increase recycled content, and engage suppliers for greener alternatives, especially for batteries and aluminum.
- **Increase Renewable Energy in Manufacturing:** Target 100% renewable energy for production at the China facility to significantly reduce manufacturing emissions.
- **Strengthen Circular Economy Initiatives:** Expand and promote take-back and recycling programs to maximize material recovery and further reduce End-of-Life impacts.

