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Product Carbon Footprint:

ejhjqqkkjo

223.54 kg CO2e Total PCF

Key Metrics Overview

Total Product Footprint

223.54 kg CO₂e

System Boundary

Cradle-to-Grave

Primary Emission Scope

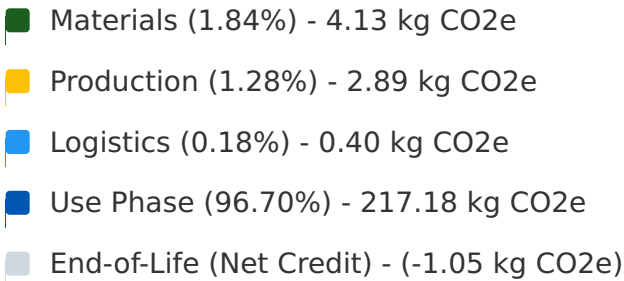
Scope 3 (98.7%)

Top Hotspot

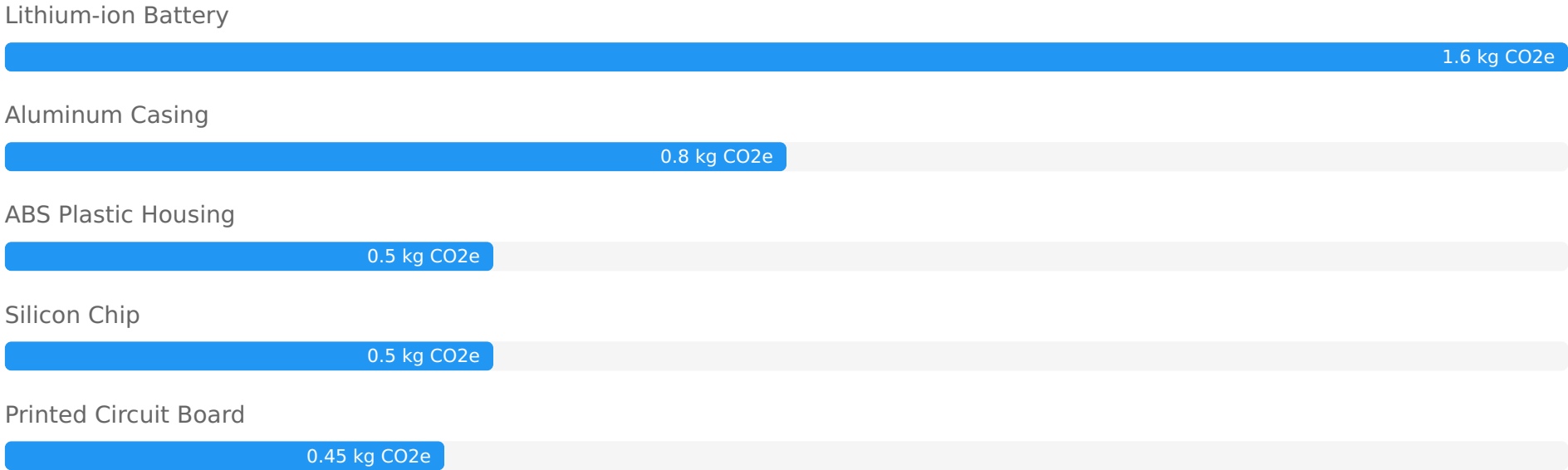
Use Phase

Carbon Footprint Breakdown

Lifecycle Stage Contribution



Top Material Hotspots



Highlights & Key Insights

- The **Use Phase accounts for approximately 97%** of the total carbon footprint, making it the overwhelming emission hotspot for ejhjqqkkjo.
- **Scope 3 emissions dominate** the product's footprint (98.7%), primarily driven by the downstream use of sold products.
- Significant material contributors include **Lithium-ion Batteries and Aluminum Casing**, emphasizing the importance of material selection in upstream impacts.
- An established take-back scheme and high recyclability (70%) provide a **net positive end-of-life credit**, showcasing effective circular economy initiatives.

Recommendations for Impact Reduction

- **Prioritize Use Phase Efficiency:** Optimize product design for lower energy consumption during its 5-year lifespan through more efficient components and power modes.
- **Increase Renewable Energy Sourcing:** Enhance the current 50% renewable energy usage at the China production facility to further reduce Scope 2 emissions.
- **Material & Supply Chain Optimization:** Investigate lower-carbon alternative materials and engage actively with suppliers for primary data to refine emission factors and identify reduction opportunities, especially for key components like batteries and aluminum.