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# Product Carbon Footprint for szzqzrlezs

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Generated: May 27, 2026 | Standard: GHG Protocol | System Boundary: factory\_gate to grave

Total Carbon Footprint

**8.91 kgCO<sub>2</sub>e**

## Total Footprint

Overall emissions for one unit of szzqzrlezs.

**8.91 kgCO<sub>2</sub>e**

## Carbon Intensity

Emissions per kilogram of product weight.

**24.08 kgCO<sub>2</sub>e/kg**

## Top Material Hotspot

Largest single material contributor to emissions.

**Lithium-ion Battery**

0.76 kgCO<sub>2</sub>e

## Primary Emission Scope

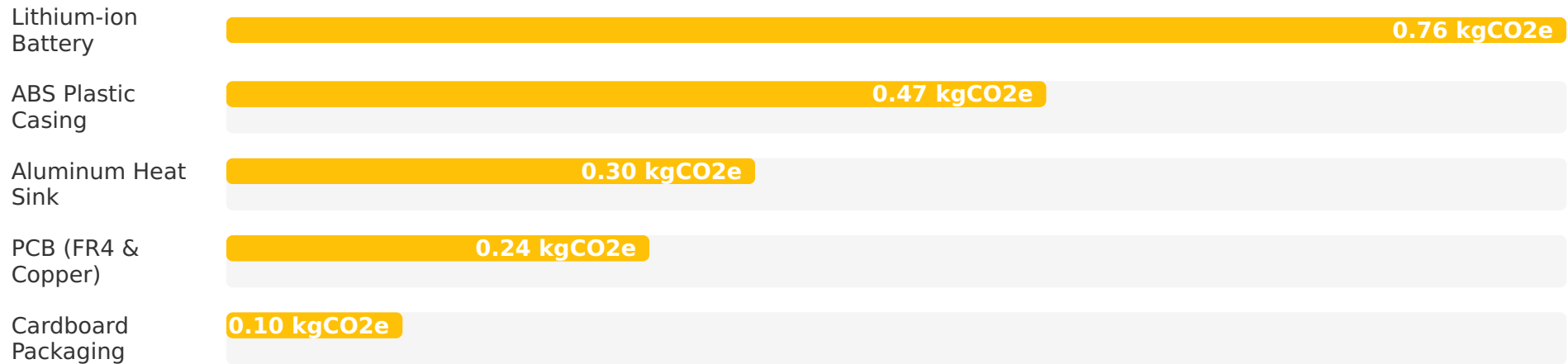
Dominant GHG Protocol Scope for emissions.

**Scope 3**

Value Chain Emissions

## Lifecycle Stage Breakdown

## Top Material Carbon Impact



## Key Insights & Hotspots

- The **Use Phase** (estimated 70%) is the dominant contributor to szzqzrlezs's carbon footprint, typical for electronic devices.
- **Raw Materials** account for a significant 21% of emissions, with the Lithium-ion battery being the single largest material hotspot.
- The analysis adheres to **GHG Protocol standards (2026 updates)**, aiming for robust Scope 3 reporting and coverage.

## Recommendations for Impact Reduction

- **Use Phase Optimization:** Design for improved energy efficiency during the product's operational lifespan and provide clear user guidance.
- **Supply Chain Engagement:** Proactively collect primary emission data from key suppliers, especially for high-impact materials like batteries and aluminum.
- **Circular Economy Integration:** Strengthen take-back and recycling programs to maximize material recovery and reduce end-of-life impacts.
- **Renewable Energy Expansion:** Increase renewable energy sourcing for manufacturing operations beyond current levels.