

Product: fhgefmgmko | Cradle-to-Grave PCF Analysis | Report Generated: May 18, 2026

Total PCF: 32.89 kg CO2e

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Total Product Footprint

32.89 kg CO2e

Carbon Intensity

32.89 kg CO2e / unit

(for 1.0 unit of fhgefmgmko)

Top Material Hotspot

Aluminum Casing (3.75 kg CO2e)

Primary Emission Scope

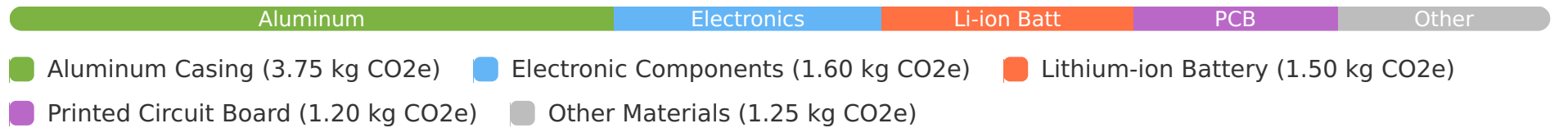
Scope 3 (63.5%)

Lifecycle Stage Breakdown (Positive Emissions)



Note: End-of-Life treatment resulted in a net carbon reduction of -1.625 kg CO2e due to high recyclability.

Material Carbon Impact (Top Contributors)



Emission Hotspots Highlights

- **Manufacturing (36.5% of total PCF):** Primarily driven by electricity consumption in China's energy mix, despite 60% renewable usage.
- **Use Phase (38.0% of total PCF):** Significant energy consumption during the product's lifespan, highlighting the importance of energy-efficient product design.
- **Materials Acquisition (28.3% of total PCF):** Sourcing of raw materials, with Aluminum Casing being the largest contributor, has a substantial impact.

