

# Product Carbon Footprint Report

for yhnufxdeet

**35.52 kg CO<sub>2</sub>e**

**35.52 kg**

TOTAL NET FOOTPRINT (CO2E)

**35.52 kg/unit**

CARBON INTENSITY

**Use Phase**

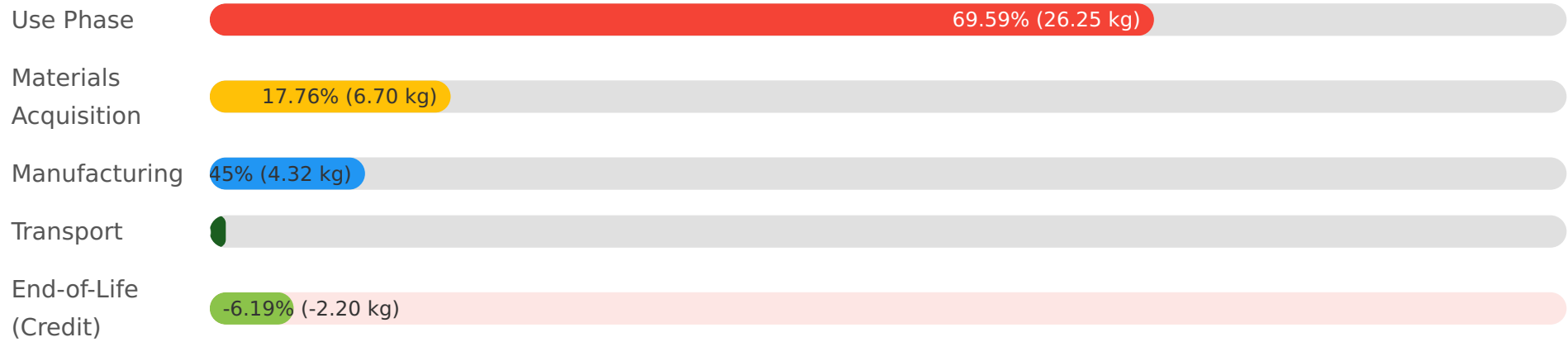
PRIMARY EMISSION HOTSPOT

**Scope 3 (95%+)**

PRIMARY EMISSION SCOPE

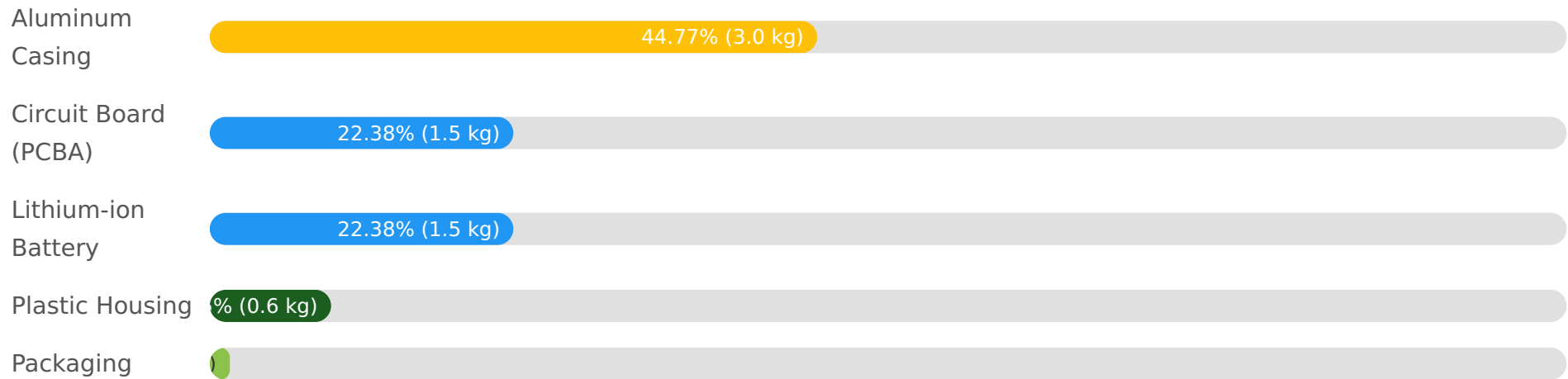
# Lifecycle Stage Breakdown

Percentage contribution to total \*gross\* emissions (before EoL credit).



# Material Carbon Impact

Contribution to total \*material\* carbon footprint (6.70 kg CO2e).



## Key Highlights & Insights

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- The **Use Phase** is the dominant emission hotspot, accounting for nearly 70% of the product's gross carbon footprint due to its 7-year lifespan and energy consumption.
- **Materials Acquisition** contributes significantly (18%), with Aluminum Casing, Circuit Board, and Lithium-ion Battery being major contributors to upstream emissions.
- **End-of-Life Treatment** yields a net carbon credit (-2.20 kg CO<sub>2</sub>e), demonstrating the positive impact of high recyclability (85%) and existing circular programs.
- The analysis adheres to the **\*\*GHG Protocol Product Standard\*\***, incorporating the 2026 LSR Update for comprehensive reporting of removals and land-sector impacts.
- **\*\*Scope 3 emissions\*\*** represent the largest portion of the Product Carbon Footprint, covering value chain activities from purchased goods to end-of-life treatment, with a target of at least 95% coverage.

# How to Reduce Your Footprint

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- **Enhance Use Phase Efficiency:** Prioritize designs that significantly reduce energy consumption during the product's 7-year lifespan and promote consumer adoption of renewable energy sources.
- **Optimize Material Sourcing:** Increase the integration of recycled content and prioritize the selection of low-carbon materials, especially for components like Aluminum, Circuit Boards, and Lithium-ion Batteries.
- **Boost Manufacturing Renewables:** Further increase the share of renewable energy purchased or generated on-site at the production facility in China to reduce Scope 2 emissions.
- **Strengthen Circularity:** Expand and promote take-back and recycling programs for electronic waste and batteries to maximize avoided emissions and enhance the product's circularity.