

html

# Product Carbon Footprint Dashboard for jykiltxdvh

Total PCF: **296.80 kgCO<sub>2</sub>e/unit**

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# Key Metrics Overview

Total Footprint

296.80 kgCO2e

Carbon Intensity

296.80 kgCO2e/unit

Top Material Hotspot

Aluminum Casing

6.00 kgCO2e (57.7% of materials)

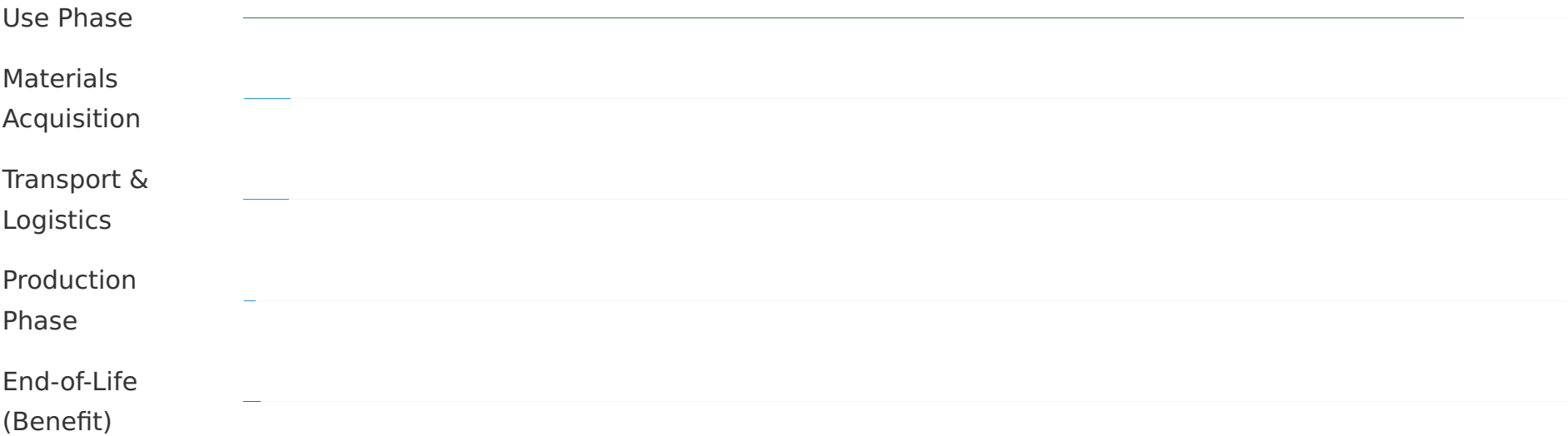
Primary Emission Scope

Scope 3

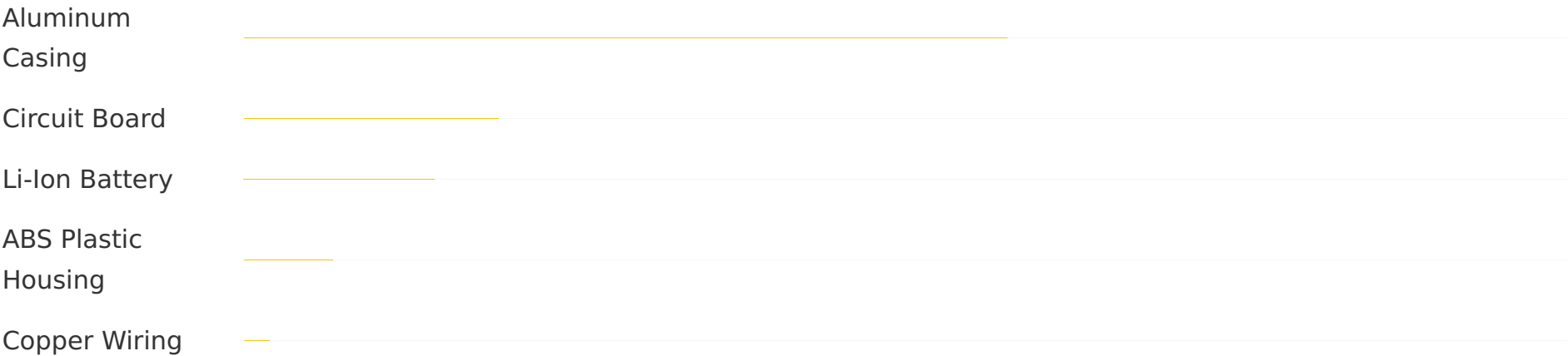
Value Chain Emissions

**Detailed Carbon Impact Analysis**

## Lifecycle Carbon Impact Breakdown



## Material Carbon Breakdown (Upstream)



## Key Highlights

- The **Use Phase** dominates the product's carbon footprint, accounting for approximately 92.2% of total emissions, primarily due to its 5-year lifespan and daily energy consumption.
- **Aluminum Casing** is identified as the single largest material hotspot, contributing 6.00 kgCO<sub>2</sub>e, which is 57.7% of the total material emissions.
- High recyclability (85%) and existing circular programs result in a **net carbon benefit** during the End-of-Life phase, effectively reducing the overall footprint.

## Recommendations for ijfdmjnoye

- **Use Phase Optimization:** Invest in R&D to significantly improve the energy efficiency of jykiltxdvh during its operational lifespan.
- **Supply Chain Decarbonization:** Collaborate with suppliers to source lower-carbon raw materials, particularly for aluminum and battery components.
- **Logistics Efficiency:** Optimize transportation routes and modes for both inbound materials and outbound products to reduce associated emissions.
- **Circular Economy Enhancement:** Expand product take-back schemes and material recovery initiatives, and increase the incorporation of recycled content.