

carboncalpcf.com

szzisuvyge

Product Carbon Footprint Analysis by yzzmjxhiqh

32.796 kg CO₂e (Cradle-to-Grave)

8.681 kg CO₂e (Factory-Gate)

Total Factory-Gate Footprint

8.681

kg CO2e

Carbon Intensity (Factory-Gate)

17.36

kg CO2e / kg

Top Material Hotspot

Aluminum Casing

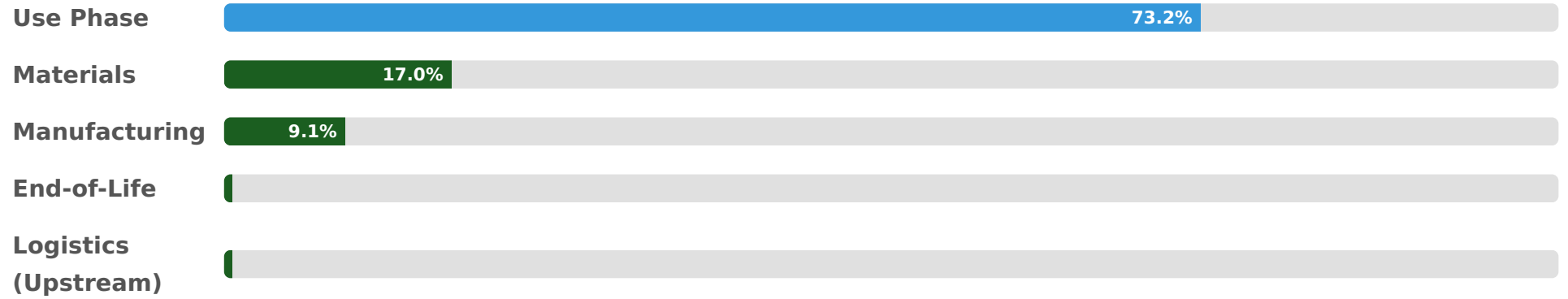
64.4% of Material Impact

Primary Emission Scope (Factory-Gate)

Scope 3, Cat 1

Purchased Goods & Services

Lifecycle Stage Breakdown (Cradle-to-Grave)



1. **Material Decarbonization:** Prioritize sourcing low-carbon or recycled content for high-impact materials, especially Aluminum.
2. **Renewable Energy Expansion:** Increase renewable energy procurement at the manufacturing facility beyond the current 40% to further reduce Scope 2 emissions.
3. **Product Design for Efficiency and Durability:** Focus on designing szzisuvyge for lower energy consumption during its use phase and extending its lifespan.
4. **Enhance Circularity:** Leverage the robust take-back program to maximize material recovery and reintroduction into the production cycle.