html

Product Carbon Footprint Dashboard

Product: ynxmiksgtj

52.369 $kgCO_2e$

Total Footprint

52.369 $kgCO_2e$

Carbon Intensity

52.369 $kgCO_2e$/unit

Top Material Hotspot

Aluminum Alloy Frame

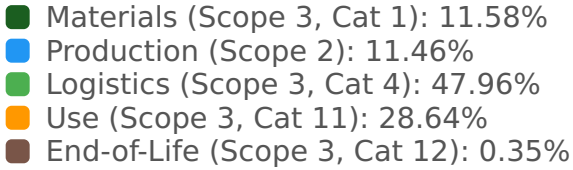
2.70 $kgCO_2e$

Primary Emission Hotspot

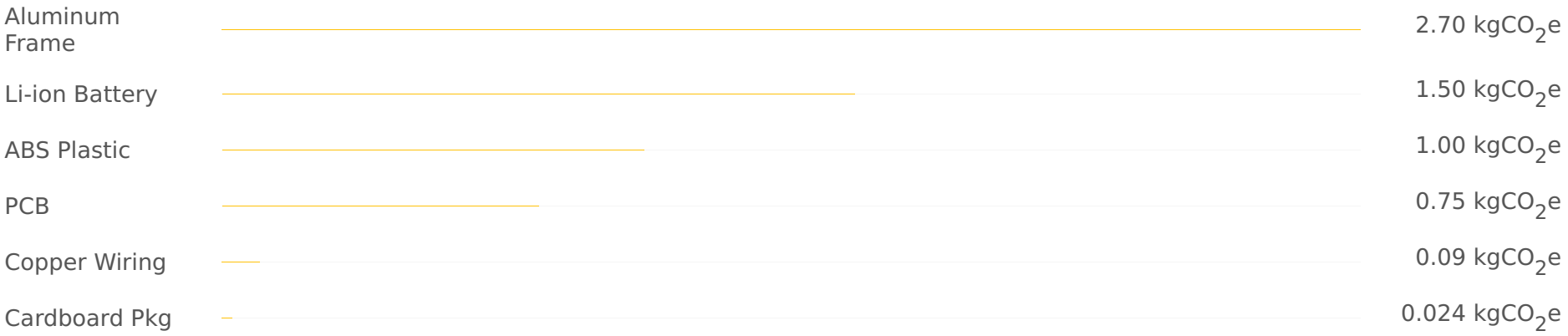
Last-Mile Delivery

25.00 $kgCO_2e$

Lifecycle Stage Breakdown



Material Carbon Impact



Key Emission Highlights

- **Logistics Dominance:** Last-mile delivery (25.00 $kgCO_2e$) is the single largest contributor to the product's carbon footprint.
- **Upstream Material Impact:** Manufacturing of core components, especially the Aluminum Alloy Frame and Lithium-ion Battery, represents a significant portion of upstream emissions.
- **Use Phase Energy:** Energy consumption during the product's 5-year lifespan contributes substantially, totaling 15.00 $kgCO_2e$.

Strategies for Reduction

- **Optimize Logistics:** Implement efficient routing, consolidate deliveries, and transition to electric vehicles for last-mile delivery to reduce transport emissions.
- **Sustainable Sourcing:** Prioritize materials with lower embodied carbon, increase recycled content, and engage suppliers on decarbonization initiatives for materials like aluminum and lithium.
- **Enhance Energy Efficiency:** Improve the product's energy efficiency during its use phase and encourage end-users to power devices with renewable energy sources.