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Product Carbon Footprint for ugizmytkvh

Detailed analysis adhering to GHG Protocol standards

Production Country	Standard
China	GHG Protocol

Total Carbon Footprint

32.27 kg CO2e

For 1.0 unit of ugizmytkvh

Carbon Intensity

32.27 kg CO2e/unit

Based on 1.0 functional unit

Primary Emission Hotspot

Use Phase

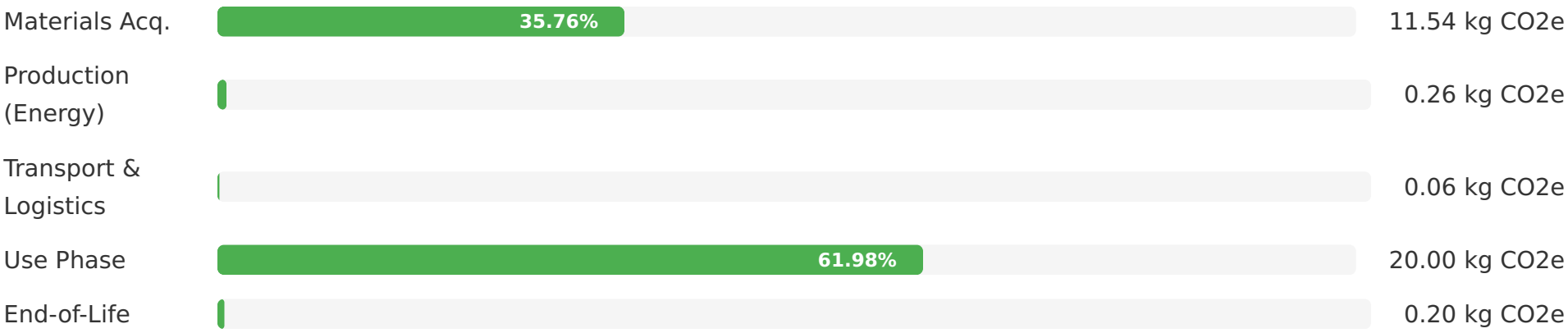
61.98% of total footprint

Top Material Impact

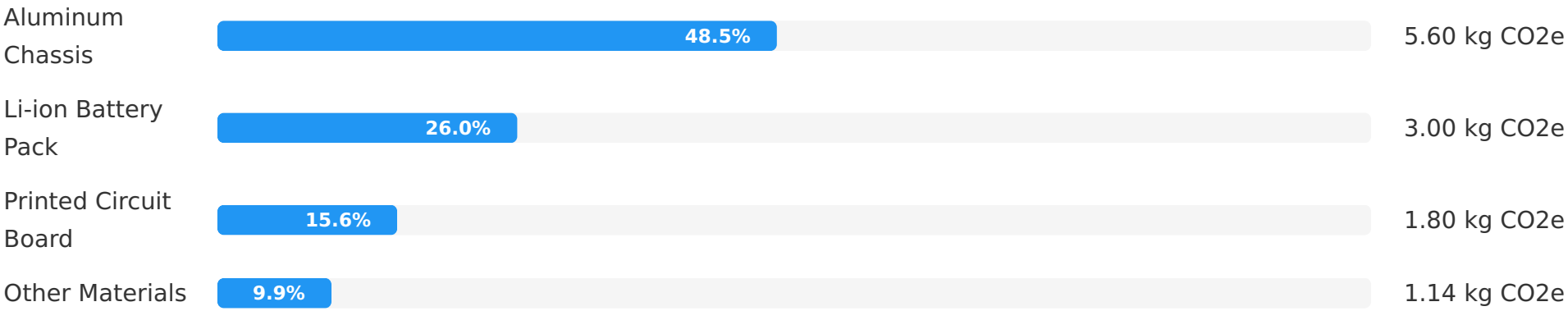
Aluminum Chassis

5.60 kg CO2e

Lifecycle Stage Breakdown



Top Material Carbon Impact



Key Insights & Highlights

The **Use Phase** is the most significant contributor to ugizmytkvh's carbon footprint, accounting for approximately 62% of total emissions.

Material acquisition and pre-processing is the second largest hotspot, contributing around 36% of the PCF, with Aluminum and Lithium-ion components being key.

This analysis adheres to the **GHG Protocol** accounting standard, incorporating the 2026 LSR update, and ensures over **95% Scope 3 coverage**.

Recommendations for Emission Reduction

- ✓ **Focus on Use Phase Efficiency:** Investigate opportunities to significantly reduce the energy consumption of ugizmytkvh during its operational lifespan.
- ✓ **Sustainable Materials Sourcing:** Explore lower-carbon alternatives for key materials like aluminum and electronic components, prioritizing recycled content.
- ✓ **Renewable Energy Integration:** Strive for 100% renewable energy at manufacturing facilities to further reduce Scope 2 emissions.
- ✓ **Enhance Circularity:** Leverage take-back schemes and design for disassembly to maximize actual collection and recycling rates.
- ✓ **Supplier Engagement:** Collaborate with supply chain partners to improve their environmental performance for high-impact components.