

html

Product Carbon Footprint Dashboard

Product: whzunfeihy | **Company:** kmhsrlzejz | **Date:** May 21, 2026

Consultant: ugfsqrjgio | **Standard:** GHG Protocol

57.60

kgCO₂e / unit

Total Footprint (Cradle-to-Grave)

57.60 kgCO₂e

Carbon Intensity

57.60 kgCO₂e/unit

Top Material Hotspot

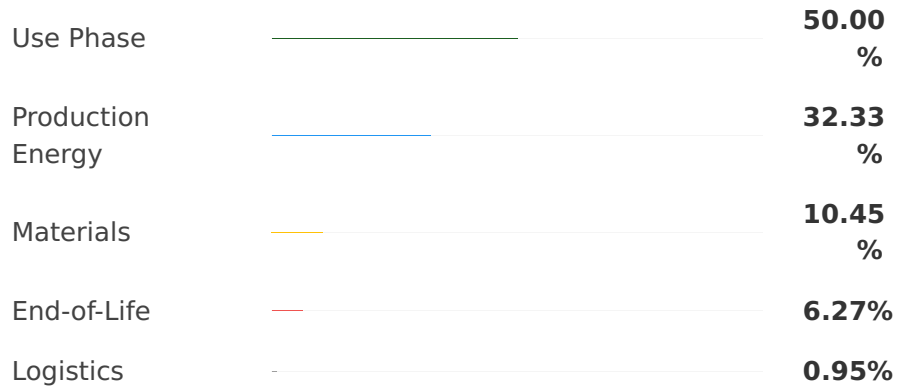
Aluminium (2.40 kgCO₂e)

Primary Emission Scope

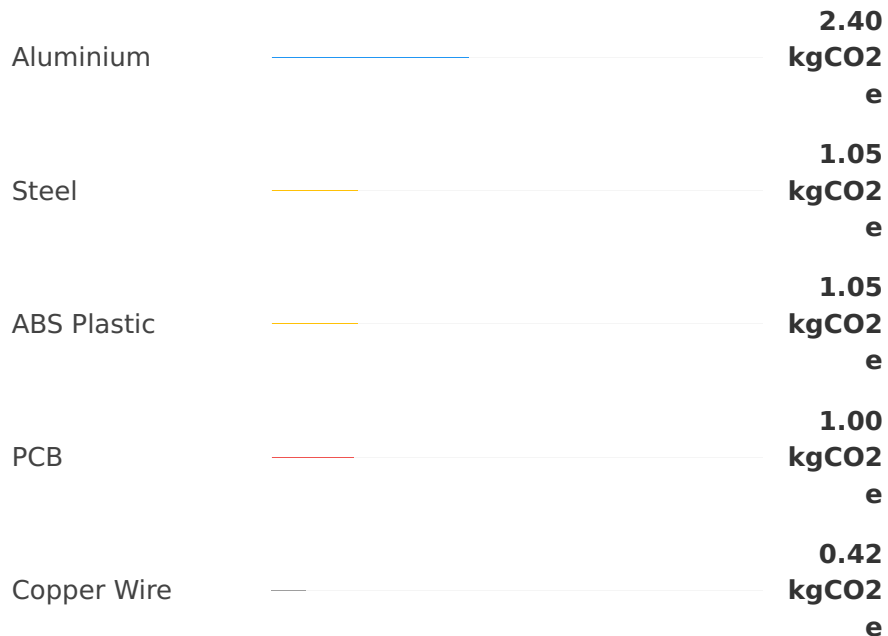
Scope 3 (Use Phase)

Emission Breakdown

Lifecycle Stage Breakdown



Material Carbon Impact (Top Contributors)



Highlights & Hotspots

□ **Use Phase** The product's energy consumption **Dominance:** during its 5-year lifespan in Europe accounts for 50.00% (28.80 kgCO₂e) of the total footprint, making it the largest hotspot.

□ **Production Energy** Manufacturing in China, despite 70% renewable energy usage, still **Impact:** contributes 32.33% (18.62 kgCO₂e) due to the remaining grid mix intensity.

□ **Material Embodied Carbon:** Upstream material production, particularly Aluminium (2.40 kgCO₂e) and Steel (1.05 kgCO₂e), represents a significant 10.45% (6.02 kgCO₂e) of total emissions.

Action Plan for Reduction

- **Optimize Use Phase Efficiency:** Focus on reducing product energy consumption during use through more efficient components or power management features.
- **Decarbonize Production Energy:** Increase renewable energy procurement for manufacturing operations in China, aiming for 100% or investing in off-site renewables.
- **Sustainable Material Sourcing:** Explore lower-carbon alternatives for high-impact materials like Aluminium, prioritize recycled content, and engage suppliers on their decarbonization efforts.
- **Enhance Circularity:** Leverage the 80% recyclability and advanced take-back program to maximize material recovery and minimize end-of-life impacts.
- **Optimize Logistics:** Evaluate opportunities to shorten transport distances, switch to lower-emission freight modes (e.g., rail over road where feasible), and improve load factors.