html

Carbon Footprint Dashboard

Product: **uiispnshfh** Quantity: **1.0 unit** Standard: **GHG Protocol**

Production Country: **China**

Total PCF: **86.70 kg CO2e**

Total Product Footprint

86.70 kg CO2e

Carbon Intensity

86.70 kg CO2e/unit

Top Material Hotspot

Aluminum Alloy

Primary Emission Scope

Scope 3 Upstream

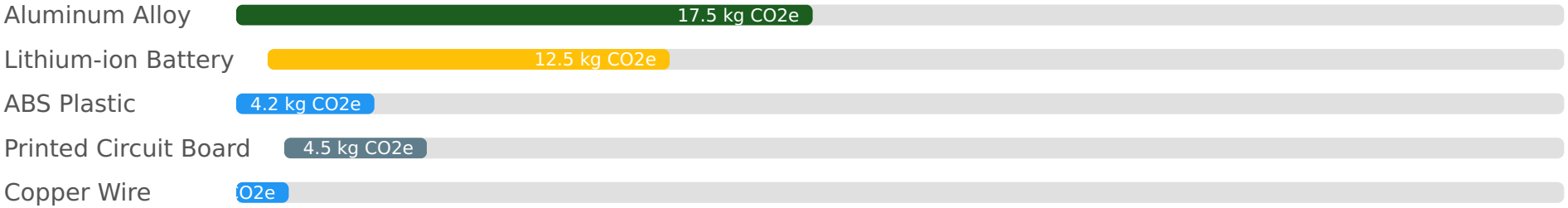
Emission Breakdown

Lifecycle Stage Contribution (Gross Emissions)

Materials | Upstream Transport | Production Energy | Last-Mile Delivery | Use Phase

Note: End-of-Life provides a net credit of -5.69 kg CO2e due to recycling efforts, which is not included in the gross emission breakdown above.

Material Carbon Impact



Key Highlights

- **Material Impact Dominance:** Materials Acquisition and Production account for the largest share of emissions (40.30 kg CO2e), emphasizing the need for sustainable sourcing.
- **Significant Use Phase Emissions:** The product's 7-year use phase contributes substantially (35.00 kg CO2e), highlighting opportunities for energy efficiency improvements.
- **Effective Circularity:** An established take-back program and 75% recyclability result in a notable End-of-Life credit (-5.69 kg CO2e), mitigating overall footprint.
- **GHG Protocol Adherence:** Analysis strictly follows GHG Protocol, including the 2026 LSR update, with over 95% Scope 3 coverage, ensuring comprehensive reporting.

How to Reduce Your Carbon Footprint

- **Optimise Material Sourcing:** Investigate suppliers offering lower-carbon aluminum alloys and explore alternative, lighter-weight materials for product design.
- **Enhance Product Energy Efficiency:** Redesign components or firmware to reduce power consumption during the product's active use phase.
- **Improve Logistics Efficiency:** Consolidate shipments, explore electric delivery vehicle options for last-mile, and optimize transport routes to minimize emissions.
- **Boost Circular Economy Efforts:** Aim for higher recyclability percentages and expand take-back programs to maximize avoided emissions at end-of-life.