

Product Carbon Footprint Dashboard for jsuqqofudm

Total PCF (1 unit)

57.01 kgCO₂e

Carbon Intensity

57.01 kgCO₂e

Per 1.0 unit of jsuqqofudm

Primary Emission Scope

Scope 3

95.35% of total PCF

Top Material Hotspot

Circuit Board

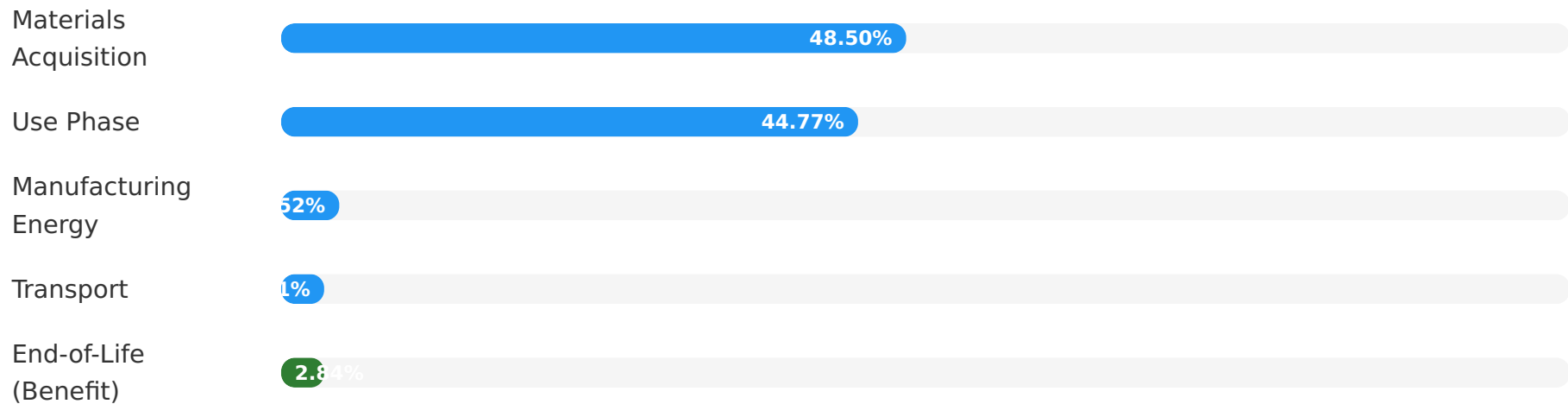
15.00 kgCO₂e (52.75% of material impact)

Production & Standard

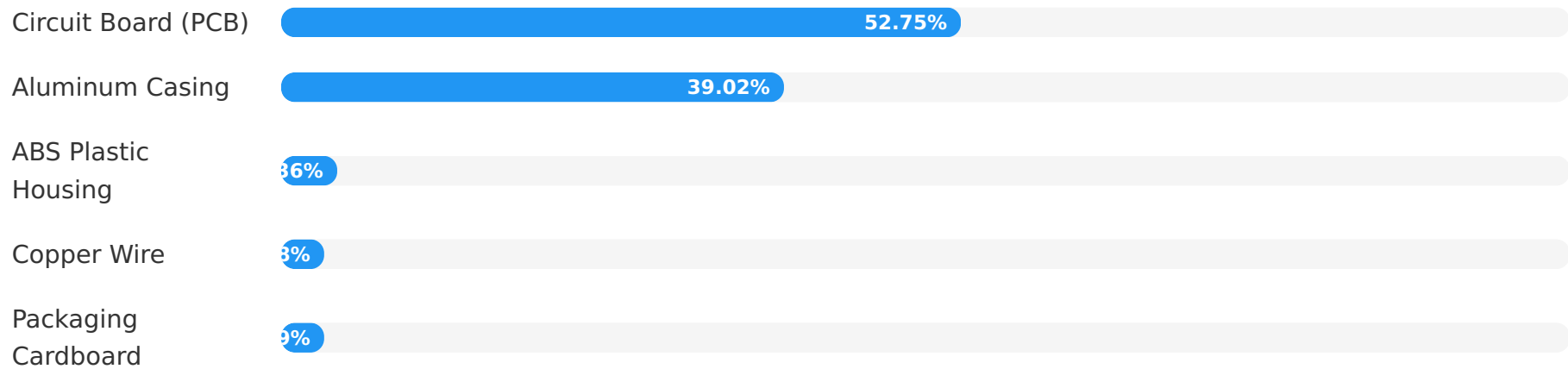
China

GHG Protocol (2026 LSR & 95% Scope 3)

Lifecycle Stage Breakdown



Material Carbon Impact



Key Insights & Highlights

- **Dominant Scope 3 Emissions:** 95.35% of the PCF falls under Scope 3, highlighting the critical role of the value chain.
- **Material and Use Phase Hotspots:** Raw material acquisition (28.44 kgCO₂e) and the product's use phase (26.25 kgCO₂e) are the largest contributors to the total footprint.
- **Circular Economy Benefits:** A 60% recyclability rate and a company-sponsored take-back program contribute a net benefit of -1.62 kgCO₂e in the End-of-Life phase.

Recommendations for Reduction

- ✓ ****Material Optimization:**** Prioritize sourcing recycled aluminum and other low-carbon materials; investigate design changes for reduced material intensity.
- ✓ ****Supply Chain Engagement:**** Collaborate with high-impact suppliers (electronics, primary metals) for decarbonization and primary data collection.
- ✓ ****Energy Efficiency & Renewables:**** Further increase renewable energy in manufacturing (beyond 70%) and implement overall energy efficiency measures.
- ✓ ****Product Design for Use Phase:**** Enhance energy efficiency of jsuqqofudm during its 7-year operational lifespan to reduce user-phase emissions.
- ✓ ****Circular Economy Expansion:**** Expand the product return and refurbishment program to maximize material recovery and reuse.

