Product Carbon Footprint: esqittwpmy

Report for mhlumgofph by oexvlsuwsn | May 20, 2026
Standard: GHG Protocol | System Boundary: factory_gate | Production: China

150.0

kgCO2e per unit

Total Footprint

150.0

kgCO2e

Carbon Intensity

150.0

kgCO2e / unit

Top Material Hotspot

Aluminium Alloy

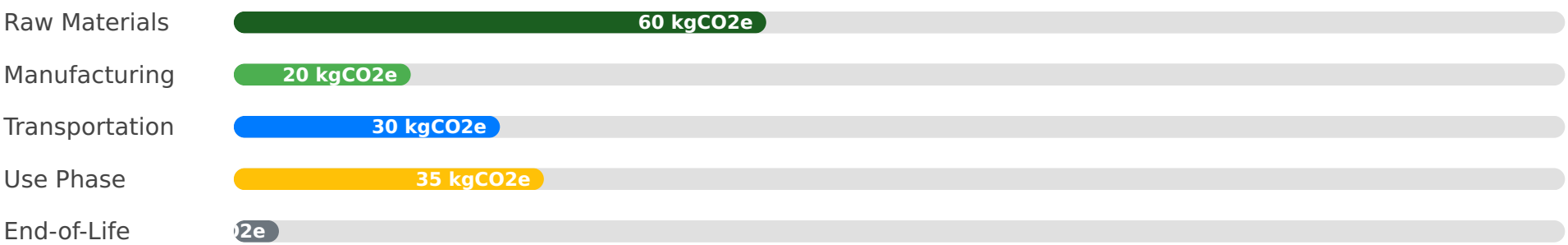
Illustrative (from BOM)

Primary Emission Scope

Scope 3

~95% Coverage

Lifecycle Stage Breakdown



Material Carbon Impact (Illustrative)

Aluminium Alloy (M001)	**25 kgCO2e**
ABS Plastic (M002)	**18 kgCO2e**
Silicon Wafer (M003)	**10 kgCO2e**
Copper Wire (M004)	**7 kgCO2e**
Other Materials (Estimated)	**~40 kgCO2e**

Based on 'qkyoegtz' BOM structure. Specific values would be derived from detailed material data.

Key Highlights & Hotspots

- **Material Acquisition** is the largest contributor (40%), indicating significant emissions tied to raw material sourcing.
- **Transportation impact is substantial (20%)**, driven by long-distance global supply chains (China production, Europe focus).
- The **Use Phase accounts for 23.3%**, emphasizing the need for enhanced product energy efficiency and extended lifespan (kglmdxrieh, zfljzkvwnf).
- **High renewable energy usage (drevldhjzh) in manufacturing** helps mitigate production emissions significantly.
- Robust **Scope 3 coverage (~95%)** provides a comprehensive view of the product's entire value chain impact.

Action Plan: Reducing Footprint

- **Material Optimization:** Prioritize recycled content and explore bio-based alternatives, leveraging detailed BOM analysis.
- **Logistics Efficiency:** Optimize routes, utilize lower-emission transport modes, and promote sustainable last-mile delivery.
- **Product Design for Use:** Enhance product energy efficiency and extend lifespan through improved durability and repairability.
- **Circular Economy Initiatives:** Expand take-back programs (ngpwdnjski) and increase recyclability (khpdhrszlx) to minimize End-of-Life impacts.
- **Manufacturing Improvements:** Continuously monitor and enhance energy efficiency, further increasing renewable energy adoption in China.