

html

Carbon Footprint Dashboard: xopldfmzgg

powered by carboncalcpcf.com

Total PCF (per unit)

41.41 kgCO₂e

Total Footprint

41.41 kgCO₂e

Carbon Intensity

41.41 kgCO₂e/unit

Top Material Hotspot

Aluminum Casing

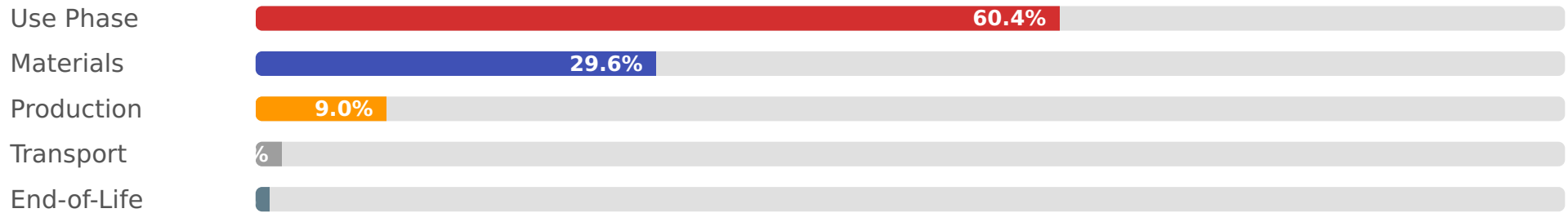
7.50 kgCO₂e of total material impact

Primary Emission Scope

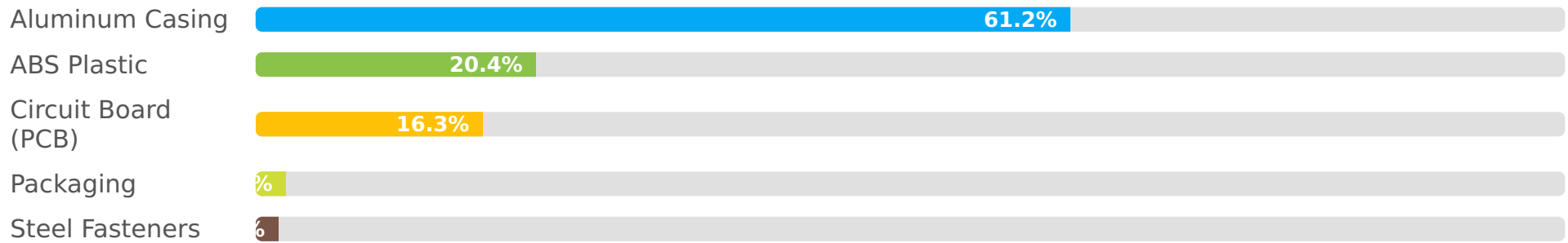
Scope 3

(Value Chain Emissions)

Lifecycle Stage Breakdown



Material Carbon Impact (Relative to Total Materials)



Highlights & Hotspot Analysis

- The **Use Phase** is the leading emission hotspot, accounting for approximately 60.4% (25.00 kg CO₂e) of the total Product Carbon Footprint, primarily driven by the product's energy consumption over its expected lifespan.
- **Material Acquisition** is the second most significant contributor at around 29.6% (12.25 kg CO₂e), with the production of primary aluminum casing identified as the most carbon-intensive material component.
- **Production Emissions** from purchased electricity (Scope 2) in China represent about 9.0% (3.72 kg CO₂e) of the total, indicating an area for further decarbonization through increased renewable energy adoption.

Recommended Action Plan for iiwylvdkh

- **Enhance Product Energy Efficiency:** Prioritize R&D to significantly reduce the energy consumption of "xopldfmzgg" during its use phase, which currently accounts for the largest share of emissions.
- **Sustainable Material Sourcing:** Investigate and prioritize sourcing options for lower-carbon and recycled content materials, especially for high-impact components like aluminum casing and ABS plastic, engaging directly with suppliers for transparency.
- **Increase Renewable Energy Adoption:** Expand the use of renewable energy at the production facility in China beyond the current 60% through additional Power Purchase Agreements (PPAs) or high-quality Energy Attribute Certificates (EACs).
- **Optimize Logistics & Supply Chain:** Continuously evaluate opportunities for route optimization, freight consolidation, and shifting to lower-emission transportation modes to reduce the impact of upstream and downstream transport.
- **Strengthen Circular Economy Programs:** Leverage the existing take-back program to maximize material recovery and explore product design changes that facilitate easier disassembly, repair, and recycling at end-of-life.

Report for: iiwylvdkh | Product: xopldfmzgg | System Boundary: factory_gate | Standard: GHG Protocol

Generated: May 18, 2026 | This dashboard provides a high-level summary. For full details, refer to the complete PCF report.