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Product Carbon Footprint for oudxvesmoh

Quantity: 1.0 unit | **System Boundary:** factory_gate

Production Country: China | **Standard:** GHG Protocol

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41.83 kgCO₂e

Total Product Carbon Footprint

TOTAL FOOTPRINT

41.83 kgCO₂e

CARBON INTENSITY

41.83 kgCO₂e/unit

TOP MATERIAL HOTSPOT

Electronic Board

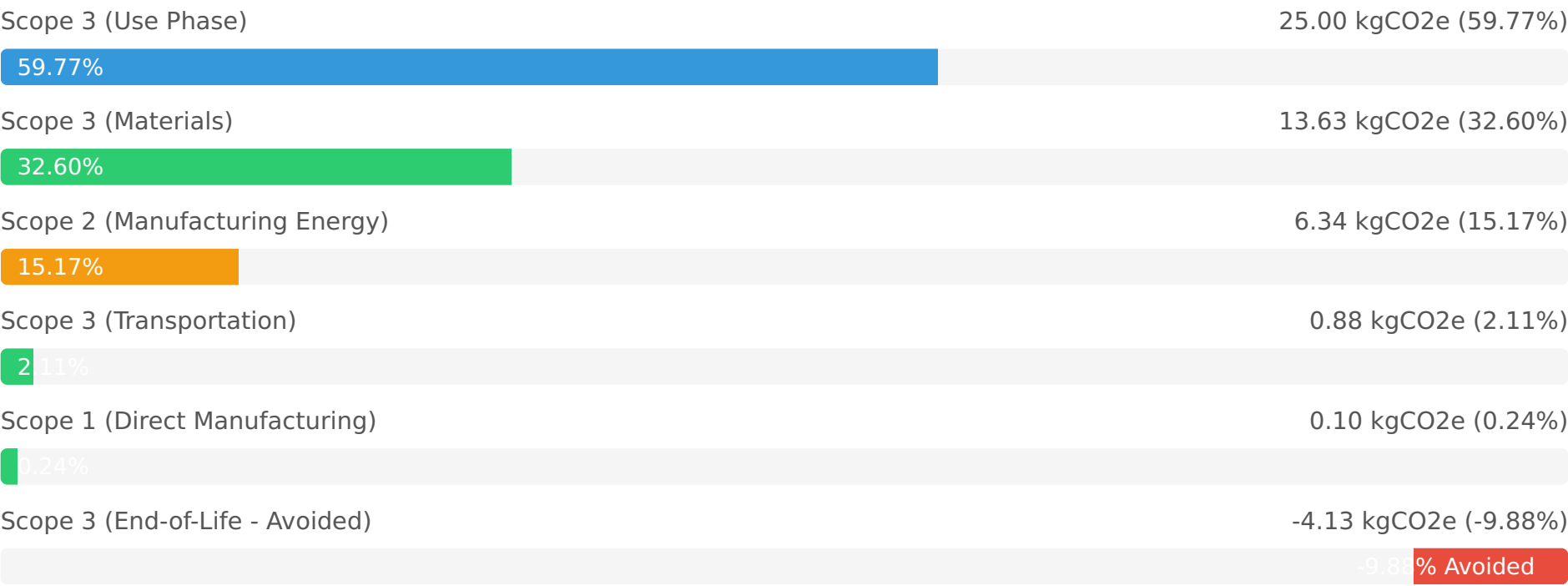
3.75 kgCO₂e

PRIMARY EMISSION SCOPE

Use Phase (Scope 3)

59.77% of total

Lifecycle Stage Breakdown



Material Carbon Impact (Scope 3 Upstream)



Key Emission Highlights

The ****Use Phase**** accounts for the largest share (59.77%) of the product's carbon footprint, driven by energy consumption over its 5-year lifespan.

****Material Acquisition**** (32.60%) is a significant hotspot, with Electronic Boards, Battery Packs, and Aluminum Casing being the highest contributors.

****Manufacturing (Scope 2)**** emissions (15.17%) are substantial due to the reliance on non-renewable grid electricity in China, despite 30% renewable energy usage.

Action Plan: How to Reduce

****Use Phase Optimization:**** Focus on enhancing energy efficiency in the product's design and encouraging cleaner energy sources for users.

****Material Decarbonization:**** Collaborate with suppliers to procure lower-carbon materials, increase recycled content, and explore alternatives.

****Manufacturing Energy Transition:**** Increase the adoption of renewable energy sources at the Chinese manufacturing facility beyond the current 30%.

****Circular Economy Enhancement:**** Strengthen existing take-back programs and explore further avenues for increasing recyclability and remanufacturing efforts.

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Data based on GHG Protocol and 2026 LSR updates, June 1, 2026.