

carboncalcpcf.com

Product Carbon Footprint for euohwexgqk

Company: xfuedktssd | **Consultant:** vevjwxnqrg

Report Date: May 28, 2026

22.72

kgCO₂e / unit

Total Footprint

22.72 kgCO₂e

Per 1 unit of euohwexgqk (Cradle-to-Grave)

Carbon Intensity

22.72 kgCO₂e/unit

Functional Unit: 1.0 unit

Top Material Hotspot

PCB

6.00 kgCO₂e (43% of material emissions)

Lifecycle Stage Breakdown

Raw
Materials

Production

Transport

Use Phase

End-of-Life

Material Carbon Impact (Top Contributors)

PCB

ABS Plastic

Aluminum
Frame

Li-ion
Battery

Copper
Wiring

Key Highlights

- **Raw Materials Dominance:** The acquisition and pre-processing of raw materials contribute over 60% of the total carbon footprint, identifying it as the primary hotspot.
- **Use Phase Impact:** Energy consumption during the product's 5-year use phase accounts for significant emissions (33%), highly dependent on the user's electricity grid mix.
- **Circular Economy Success:** End-of-Life activities show a net carbon benefit due to high recyclability (80%) and robust take-back programs, demonstrating effective circularity.

Action Plan for Reduction

- **Material Redesign:** Prioritize using lower-impact materials and reducing quantities, especially for PCB, ABS plastic, and aluminum components.
- **Energy Efficiency:** Focus on design improvements to minimize energy consumption during the product's use phase, considering global energy mixes.
- **Supplier Engagement:** Collaborate with upstream suppliers to drive decarbonization efforts and obtain primary data for improved accuracy.

© 2026 carboncalpcf.com. All rights reserved.

Report ID: PCF-EUOHWEXGQK-XFUEDKTSSD-20260528