

Carbon Footprint Analysis

Product: vorlfvwxtv

Powered by carboncalcpcf.com

Total Product Carbon Footprint
205.46 kgCO2e

Functional Unit

1.0 unit

of vorlfvwxtv

Carbon Intensity

205.46 kgCO₂e/unit

per functional unit

Primary Emission Scope

Scope 3

Value chain emissions dominate

Top Material Hotspot

Aluminum Casing

5.00 kgCO₂e of material impact

Recommended Decarbonization Actions

- **Optimize Use Phase:** Focus product design on energy efficiency. Explore "Energy Star" equivalent certifications or offer renewable energy offsetting options for users.
- **Sustainable Sourcing:** Investigate low-carbon aluminum suppliers, increase recycled content for aluminum and plastics, and design electronic components for modularity and repair.
- **Enhance Circularity:** Promote and expand the product take-back program. Explore design for disassembly to maximize material recovery and reduce end-of-life burdens.
- **Supply Chain Transparency:** Work with suppliers to gather specific, primary data for material production and transport, moving beyond industry averages for greater accuracy.