

carboncalcpcf.com

Product Carbon Footprint Dashboard

for **lhllvydl dv** by ifhojzfiwx

24.05 kg CO₂e

(Total Cradle-to-Grave PCF for 1.0 unit)

Key Performance Indicators

Total Footprint

24.05

kg CO2e / unit

Carbon Intensity

23.57

kg CO2e / kg product

Top Material Hotspot

Aluminum Casing

4.00 kg CO2e

Primary Emission Scope

Scope 3

Use Phase (Category 11)

Action Plan: Strategies for Reduction

1. **Optimize Use Phase Efficiency:** Redesign or improve components to significantly reduce energy consumption during product use. Consider software optimizations for lower power modes and extend product lifespan to dilute per-year impact.
2. **Sustainable Material Sourcing:** Prioritize lower-carbon alternatives or increase recycled content for high-impact materials, particularly aluminum and PCBs. Engage with suppliers for material traceability and lower-emission production.
3. **Enhance Production Energy:** Invest further in 100% renewable energy solutions for manufacturing processes in China, moving beyond the current 75% to reduce Scope 2 emissions.
4. **Strengthen Circular Programs:** Expand and promote take-back and recycling initiatives to maximize material recovery and further increase avoided emissions at End-of-Life.

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