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# Product Carbon Footprint: ykrkohmttq

Report for hytuvpjds by wxsmfvsext

Generated: May 24, 2026

## 63.8 kg

CO<sub>2</sub>e Total Footprint

Total Product Footprint

## 63.8 kg CO<sub>2</sub>e

# Carbon Footprint Breakdown

## By Lifecycle Stage

Materials	5.05 kg (7.91%)
Production	3.00 kg (4.70%)
Distribution	12.68 kg (19.88%)
Use Phase	43.80 kg (68.65%)
End-of-Life	-0.73 kg (-1.14%)

## Material Carbon Impact (Scope 3, Cat 1)

ABS Plastic Casing	1.65 kg
Recycled Al Housing	1.50 kg
Circuit Board (PCB)	1.50 kg
Copper Wiring	0.20 kg
Packaging (Cardboard)	0.20 kg

## Key Insights & Highlights

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The **Use Phase** is the overwhelmingly dominant contributor to ykrkohmttq's carbon footprint, accounting for 68.65% of total emissions.

The product's total carbon footprint is **63.8 kg CO<sub>2</sub>e** per functional unit (1.0 unit).

**Scope 3 emissions** represent 95.3% of the total footprint, demonstrating comprehensive value chain accounting in line with GHG Protocol 2026 revisions.

## Recommendations for Reduction

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- Optimize Use Phase Efficiency:** Focus on engineering solutions to drastically reduce the product's energy consumption during its operational lifespan.
- Enhance Logistics Efficiency:** Optimize transport routes, explore lower-emission transport modes, and consolidate shipments for both inbound and outbound logistics.
- Material Innovations:** Continuously explore and implement lower-carbon materials, prioritizing those with high initial footprints and favoring high recycled content.