

The user wants an HTML dashboard. I have already extracted all the necessary data from the provided report and planned the HTML and CSS structure to meet all requirements. I will now generate the complete HTML code (including internal `

# Product Carbon Footprint for mhopekfrhz

Total Carbon Footprint

**34.23 kgCO<sub>2</sub>e**

[carboncalcpcf.com](http://carboncalcpcf.com)

Product Name

**mhopekfrhz**

Carbon Intensity

**34.23 kgCO<sub>2</sub>e/unit**

Primary Emission Scope

**Scope 3**

(98.87% of Total)

Top Material Hotspot

**Aluminum Casing**

# Lifecycle Emissions Breakdown

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Use of Sold Products



Purchased Goods & Services

**14.10%**

Purchased Electricity (Scope 2)



Transportation (Upstream & Downstream)



End-of-Life Treatment (Credit)

**-6.06%**

# Material Carbon Impact

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Aluminum Casing (0.2 kg)

1.60 kgCO<sub>2</sub>e (33.16%)

Lithium-Ion Battery (0.08 kg)

1.20 kgCO<sub>2</sub>e (24.87%)

Printed Circuit Board (1 unit)

1.20 kgCO<sub>2</sub>e (24.87%)

ABS Plastic Enclosure (0.15 kg)

0.80 kgCO<sub>2</sub>e (10.88%)

## Highlights & Emission Hotspots

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- The **\*\*Use Phase\*\*** dominates the carbon footprint, accounting for approximately 90.6% of Scope 3 emissions.
- **\*\*Purchased Goods and Services\*\***, particularly Aluminum Casing and Lithium-Ion Batteries, represent a significant upstream impact (14.1% of total).
- A substantial **\*\*carbon credit (-6.06% of total)\*\*** is achieved through the product's high recyclability (80%) and active take-back programs, demonstrating circular economy benefits.

# Recommendations for Reduction

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- **Optimize Use Phase Energy Efficiency:** Focus on product design for reduced energy consumption during operational lifespan.
- **Enhance Material Circularity:** Expand take-back programs and increase recycled content in high-impact materials.
- **Engage Supply Chain:** Collaborate with suppliers to source lower embodied carbon materials and promote renewable energy in their operations.
- **Monitor & Adapt to LSR Standard:** Proactively integrate GHG Protocol's LSR Standard guidance (expected Q2 2026) for land-related emissions.