

html

Carbon Footprint Dashboard

Product: **mwwhhxiyuv** (1.0 unit)

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TOTAL PRODUCT CARBON FOOTPRINT

37.525 kgCO₂e

powered by carboncalcpcf.com

Total Footprint

37.525 kgCO₂e

Carbon Intensity

37.525 kgCO₂e/unit

Top Emission Hotspot

Use Phase

Primary Emission Scope

Scope 3

Lifecycle Stage Breakdown

Materials Acquisition & Mfg (Scope 3)	7.490 kgCO2e (19.96%)
Production Phase (Scope 2)	1.731 kgCO2e (4.61%)
Transportation (Scope 3)	0.180 kgCO2e (0.48%)
Use Phase (Scope 3)	30.000 kgCO2e (79.95%)
End-of-Life Treatment (Scope 3) (Creditt)	-1.876 kgCO2e (-5.00%)

Material Carbon Impact

Aluminum Casing	3.75 kgCO2e (50.07%)
Circuit Board Assembly	2.50 kgCO2e (33.38%)
Plastic Components	0.60 kgCO2e (8.01%)
Copper Wire	0.40 kgCO2e (5.34%)
Packaging (Corrugated Cardboard)	0.24 kgCO2e (3.20%)

Key Emission Highlights

- The **Use Phase** is the most significant contributor, accounting for approximately **80%** of the product's total carbon footprint.
- **Material Acquisition & Manufacturing**, particularly aluminum and circuit board production, represents the second largest hotspot at about **20%**.
- An active **End-of-Life (EoL) take-back program** helps to generate significant recycling credits, effectively reducing the overall footprint.

