

html

carboncalcpcf.com

Product Carbon Footprint Dashboard

Detailed Analysis for Product: **gvildfswwz**

17.56 kg CO₂e / unit

Total Product Footprint

17.56

kg CO2e / unit

Top Material Hotspot

Lithium-ion Battery

1.50 kg CO2e impact

Primary Emission Scope

Scope 3

(Use Phase - 12.50 kg CO2e)

Recyclability Rate

70%

Key Insights & Hotspots

- ✓ **Use Phase Dominance:** The product's energy consumption over its 5-year lifespan is the single largest contributor to its carbon footprint, accounting for 12.50 kg CO₂e.
- ✓ **Material Impact:** Raw material acquisition, notably for the Lithium-ion Battery and Plastic Casing, forms a significant upstream hotspot, contributing 3.35 kg CO₂e.
- ✓ **Logistics Footprint:** Both upstream and downstream transportation via long-distance ocean and road freight contribute considerably to Scope 3 emissions, totaling 2.02 kg CO₂e.

Recommendations for Emission Reduction
