

The user wants an HTML dashboard. I have extracted all necessary information from the provided report and defined the structure and styling for the dashboard. I also looked up CDNs for Inter and Roboto fonts, but for a single-file HTML, it's better to `@import` directly from Google Fonts or a similar service to keep it self-contained without needing to host font files locally. The `@import` rule for Inter is already in the CSS. I will now generate the HTML content as requested. html

Product Carbon Footprint Dashboard for "sqfzyfsdqg"

A detailed analysis of environmental impact at a glance.

carboncalcpcf.com

Key Metrics

Total Footprint

62.83 kg CO2e/unit

Carbon Intensity

62.83 kg CO2e/unit

Top Material Hotspot

Aluminum (16.0 kg CO2e)

Primary Emission Scope

Scope 3 (85%)

Emission Breakdown

Lifecycle Stage Breakdown

Materials	30.85 kg CO2e (49.1%)
Production	9.45 kg CO2e (15.0%)
Transport	0.56 kg CO2e (0.9%)
Use Phase	25.20 kg CO2e (40.1%)
End-of-Life (Net Reduction)	-3.23 kg CO2e (-5.1%)

Material Carbon Impact

Aluminum	16.0 kg CO2e (51.9%)
Steel	10.0 kg CO2e (32.4%)
ABS Plastic	4.5 kg CO2e (14.6%)
Copper Wire	0.35 kg CO2e (1.1%)

Highlights & Key Insights

Material Acquisition & Pre-processing is the largest hotspot, contributing approximately 49.1% of the total PCF, primarily due to aluminum and steel.

The Use Phase accounts for about 40.1% of the PCF, driven by the product's energy consumption over its 7-year lifespan.

The End-of-Life phase demonstrates a net carbon reduction of -3.23 kg CO₂e, thanks to 75% recyclability and an active take-back program.

Recommendations for Carbon Reduction

****Material Optimization:**** Explore alternative, lower-carbon materials or increase recycled content for high-impact components like aluminum and steel.

****Energy Efficiency in Use:**** Implement design improvements to significantly reduce the product's energy consumption during its active use phase.

****Renewable Energy Sourcing:**** Further increase the percentage of renewable energy used in manufacturing beyond the current 65% to minimize Scope 2 emissions.