

Product Carbon Footprint

Analysis for **mnelqtfnmr** by **smkkxhipys**

83.000 kg CO₂e

carboncalcpcf.com

Total Footprint

83.000 kg CO₂e

Carbon Intensity

83.000 kg CO₂e/unit

Top Material Hotspot

Steel Casing (51.55% of Material Emissions)

Primary Emission Scope

Scope 3 (80.000 kg CO₂e)

Lifecycle Stage Breakdown

Use Phase	72.29% (60.000 kg CO2e)
Transport	14.79% (12.272 kg CO2e)
Raw Material Acquisition	11.69% (9.700 kg CO2e)
Manufacturing/Production	3.61% (3.000 kg CO2e)
End-of-Life (Credit)	-2.38% (-1.972 kg CO2e)

Material Composition vs Carbon Impact

Steel casing	51.55% (5.0 kg CO2e)
Circuit board	30.93% (3.0 kg CO2e)
Plastic housing	12.37% (1.2 kg CO2e)
Copper wiring	5.15% (0.5 kg CO2e)

Key Insights & Emission Hotspots

- The **Use Phase** is the dominant emission hotspot, contributing approximately **72%** of the total PCF.
- **Transport** accounts for about **15%** of emissions, with last-mile delivery being a significant factor.

