

Carbon Footprint Dashboard:

eynzjopxsh

powered by carboncalcpcf.com

Total Product PCF

32.21 kg CO₂e

Total Footprint

32.21 kg CO2e

Per 1.0 unit of eynzjopxsh

Carbon Intensity

42.95 kg CO2e/kg

Based on 0.75 kg product weight

Top Material Hotspot

Aluminum Casing

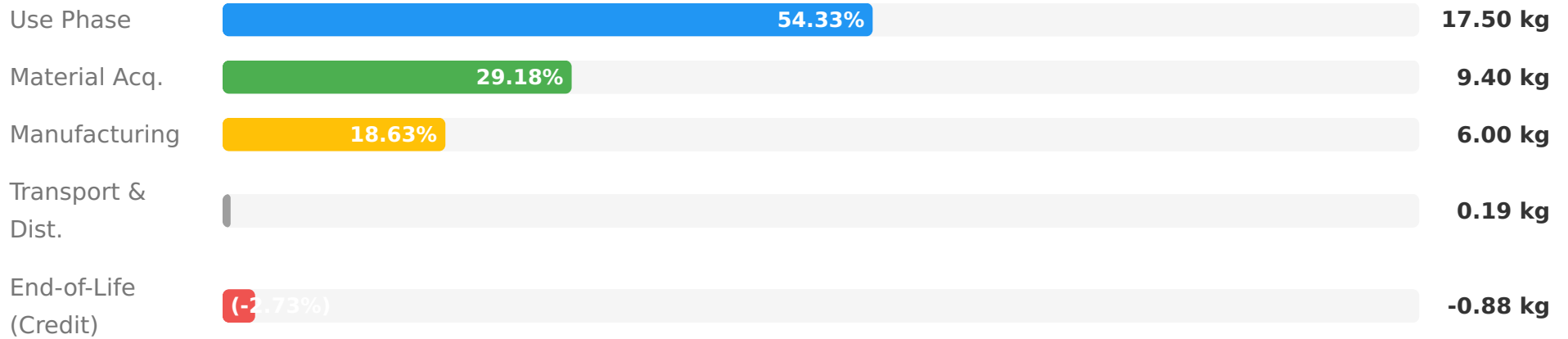
6.00 kg CO2e for material acquisition

Primary Emission Scope

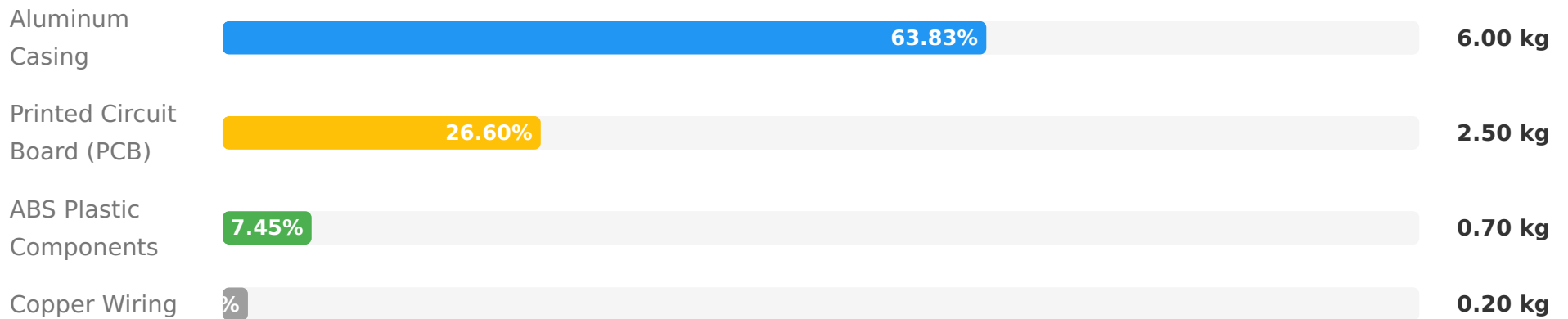
Scope 3

81.4% of total footprint

PCF Breakdown by Lifecycle Stage



Material Acquisition Carbon Impact



Key Emission Hotspots

- ✓ **Use Phase:** Contributing a significant portion (95.7%) due to energy consumption over the product's lifespan.
 - ✓ **Material Acquisition:** Representing 51.4% of the footprint, primarily from Aluminum Casing and PCB.
 - ✓ **Manufacturing:** Accounts for 32.8% of the footprint, mainly from non-renewable electricity usage.
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Recommendations for Reduction

- **Optimize Use Phase:** Investigate opportunities to significantly reduce product energy consumption during its lifespan through innovative design improvements.
 - **Sustainable Material Sourcing:** Explore alternative materials with lower inherent carbon footprints or increase recycled content in components.
 - **Increase Renewable Energy:** Further increase the adoption of certified renewable energy sources in manufacturing operations to reduce Scope 2 emissions.
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