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Product Carbon Footprint Dashboard

Product: xnmvgrmemf | **Company:** djoxwdqysx

Report Date: May 28, 2026

powered by carboncalcpcf.com

6.312 kg CO2e

Total Carbon Footprint

1.0 unit

Functional Unit

Cradle-to-Grave

System Boundary

GHG Protocol

Standard Applied

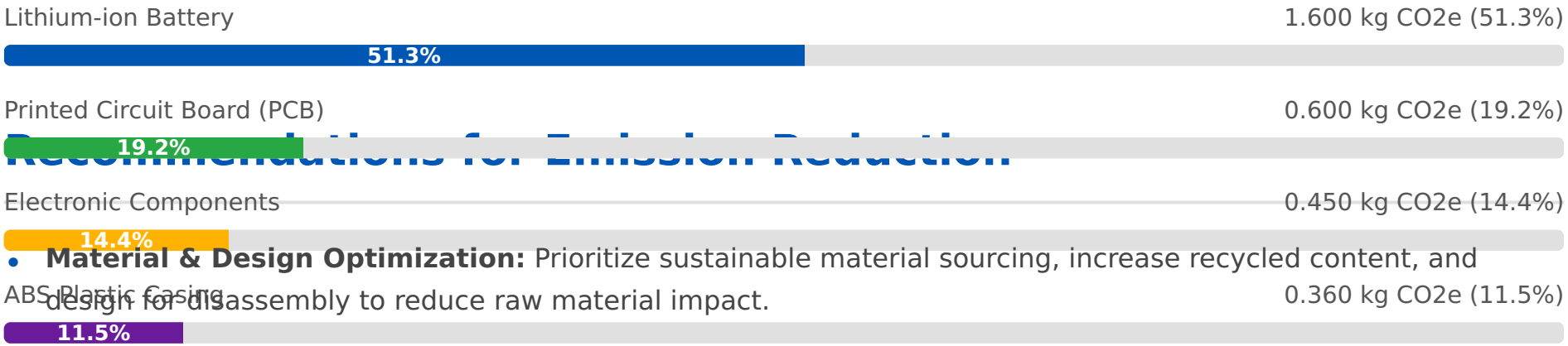
Lifecycle Stage Breakdown

Raw Material Acquisition & Processing — 49.4% (3.121 kg CO2e)

Key Insights & Hotspots

- **Raw Materials Dominance:** Raw Material Acquisition & Processing accounts for nearly half (49.4%) of the total PCF, with Lithium-ion batteries and PCBs being major contributors.
- **Significant Use & Production Impact:** The Use Phase (29.7%) and Manufacturing (23.3%) phases represent substantial portions of the footprint, highlighting energy consumption as a key factor.
- **Circular Economy Benefits:** The End-of-Life phase demonstrates a net negative contribution (-2.8%) due to successful recycling efforts, showcasing the positive impact of circularity initiatives.

Material Composition Carbon Impact (Upstream)



Recommendations for Emission Reduction

- **Material & Design Optimization:** Prioritize sustainable material sourcing, increase recycled content, and design for disassembly to reduce raw material impact.

- **Enhance Energy Efficiency:** Improve the energy efficiency of the product during its use phase and expand renewable energy sourcing for manufacturing operations.
- **Strengthen Circularity:** Further invest in and expand take-back programs, and explore opportunities for remanufacturing and direct reuse of components.
- **Supply Chain Engagement:** Collaborate with upstream suppliers to implement emission reduction strategies for carbon-intensive components.