

carboncalcpcf.com

Total PCF

Product Carbon Footprint: vssiqdqjei

8.29 kg CO₂e

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8.29 kg CO₂e

For 1 unit of vssiqdqjei

Carbon Intensity

8.29 kg CO₂e/unit

Per functional unit

Top Material Hotspot

Aluminum Chassis

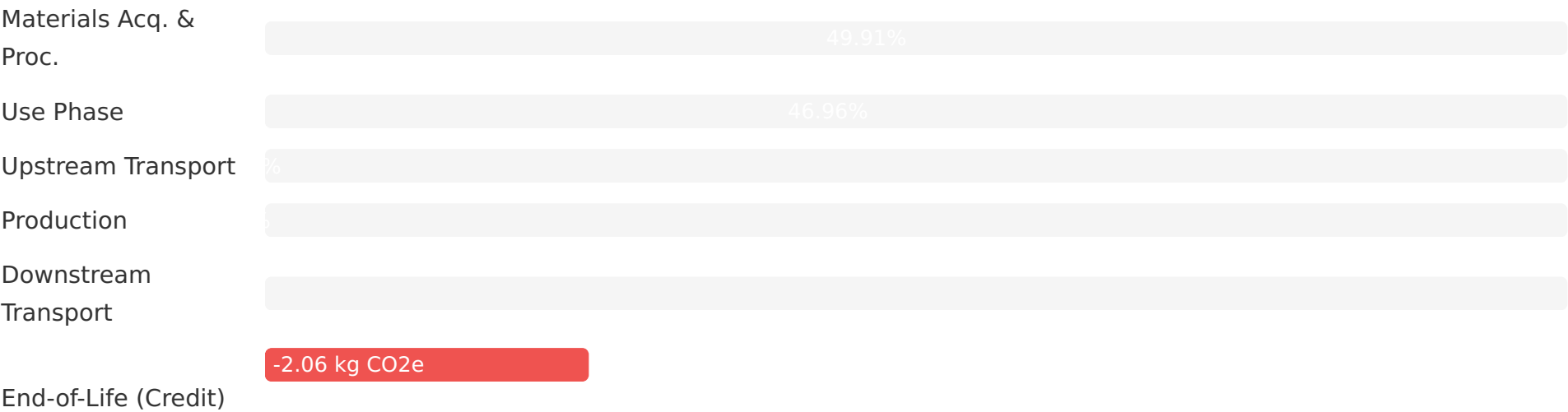
2.25 kg CO₂e (43.6% of material impact)

Primary Emission Scope

Scope 3

8.18 kg CO₂e (Use Phase, Materials, Transport, EoL)

Lifecycle Stage Breakdown



- **Sustainable Material Sourcing:** Explore lower-carbon alternatives or increase recycled content for high-impact materials like Aluminum, PCBs, and Lithium-ion batteries.
- **Optimize Use Phase Efficiency:** Design for even greater energy efficiency, or provide clear guidance to users on minimizing energy consumption. Investigate local renewable energy options for product use locations.
- **Enhance Circularity:** Continue to improve recyclability rates and expand take-back programs. Investigate advanced recycling technologies for complex components.
- **Supply Chain Optimization:** While transport is a smaller contributor, optimize logistics routes and explore lower-emission transport modes where feasible, especially for long-haul routes.
- **Production Decarbonization:** Continue to increase the share of renewable energy used in manufacturing beyond the current 70% to further reduce Scope 2 emissions.