

Product Carbon Footprint Dashboard

Product: rsikhhxyjs | Standard: GHG Protocol | Country: China

49.126 kg CO₂e

Total Product Footprint

Emissions by Lifecycle Stage

Key Insights & Hotspots

Total PCF per Unit

Materials	8.710 kg
Upstream	0.106 kg
Transport	4.30 kg
Aluminum Alloy	1.154 kg
Casing	2.00 kg
Production (S1+S2)	12.573 kg
Printed Circuit Board	1.25 kg
Downstream	30.000 kg
Transport	
Lithium-Ion	
Battery	
Use Phase	

Material Carbon Impact

Use Phase Dominance: The product's operational use phase accounts for ~61% of the total carbon footprint, making it the most significant hotspot.

Logistics Impact: Downstream transportation, especially last-mile delivery, contributes approximately 26% to the total PCF, highlighting distribution efficiency.

Material Choices: Materials acquisition and processing, particularly for Aluminum, PCB, and Battery, represent about 18% of emissions.

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Aluminum Casing

Top Material Hotspot (4.30 kg CO₂e)