

html

Product Carbon Footprint: Ittkjdzgrj

Company: ehvtpqqpo

Standard: GHG Protocol | System Boundary: factory_gate

31.802 kg CO₂e

Total Carbon Footprint (per 1.0 unit)

31.802

Total PCF (kg CO₂e)

31.802

Carbon Intensity (kg CO₂e/unit)

Aluminum Casing

Top Material Hotspot (3.50 kg CO₂e)

Scope 3

Highlights: Emission Hotspots

- **Product Use Phase:** At 20.00 kg CO₂e, this stage is the largest contributor to the overall PCF, primarily due to energy consumption over the product's 5-year lifespan.
- **Materials Acquisition & Production:** Accounting for 10.00 kg CO₂e, raw materials like aluminum, electronics, and batteries significantly impact the upstream footprint.
- **Production (Scope 2):** Despite 70% renewable energy use, the remaining non-renewable electricity consumption in China still contributes 2.70 kg CO₂e.

Recommendations: How to Reduce Emissions

- **Focus on Use Phase Decarbonization:** Prioritize improving the energy efficiency of "Ittkjdzgrj" during its operational lifetime.
- **Sustainable Material Sourcing:** Explore lower-carbon alternative materials or increase recycled content, especially for aluminum and plastics.
- **Optimize Production Energy:** Strive for 100% renewable energy at the manufacturing facility in China to further reduce Scope 2 emissions.
- **Enhance Circularity:** Continuously evaluate and improve existing take-back programs to maximize material recovery and minimize waste.
- **Supplier Engagement:** Collaborate with upstream suppliers to drive decarbonization initiatives across the entire supply chain.

