

Product Carbon Footprint Dashboard

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Product: ngjidfvxyt

Company: iwwdfunwrt

Standard: GHG Protocol

23.80 kgCO₂e

Total Product Carbon Footprint

(for 1.0 unit, factory_gate)

23.80 kgCO2e/unit

Carbon Intensity

Lithium Battery

Top Material Hotspot

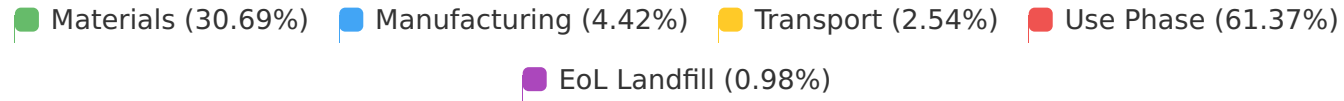
95.46%

Scope 3 Coverage

China

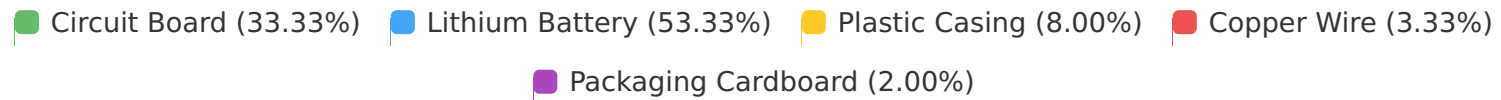
Production Country

Lifecycle Stage Breakdown (Gross Emissions)

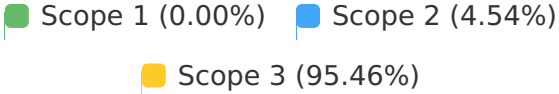


Note: Recycling credits of -0.64 kgCO₂e contribute to the net total PCF.

Material Carbon Impact



GHG Protocol Scope Summary



Key Insights & Hotspots

- The Use Phase represents the largest hotspot at **63.03%** of the total PCF, driven by product energy consumption over its 5-year lifespan.
- Materials Acquisition contributes significantly, accounting for **31.51%**, with Lithium Batteries and Circuit Boards being the primary culprits.
- Scope 3 emissions dominate the footprint at **95.46%**, underscoring the importance of value chain engagement.

Recommendations for Emission Reduction

- **Energy Efficiency in Use Phase:** Focus R&D on reducing product energy consumption and promote renewable energy use by end-users.
- **Sustainable Material Sourcing:** Engage with suppliers of high-impact components to explore lower-carbon alternatives and increase recycled content.
- **Circular Economy Integration:** Strengthen take-back programs and design for disassembly to maximize recycling and material recovery beyond 80%.
- **Logistics Optimization:** Optimize transport routes and modes, prioritizing lower-emission options, and collaborate on fleet electrification.
- **Manufacturing Energy Transition:** Continue increasing the share of renewable energy in manufacturing beyond the current 70%.

Product Carbon Footprint Report for ngjidfvxyt by iwwdfunwrt. Generated May 20, 2026.