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Product Carbon Footprint Dashboard

Product: iqmkqmodgp | **Company:** ddfwounoxz

Production Country: China | **Standard:** GHG Protocol



**36.95 kgCO₂e/
unit**

Key Carbon Metrics

Total Footprint

36.95 kgCO₂e

per 1.0 unit

Primary Emission Scope

Scope 3

35.55 kgCO₂e (96.2%)

Top Material Hotspot

Li-ion Battery

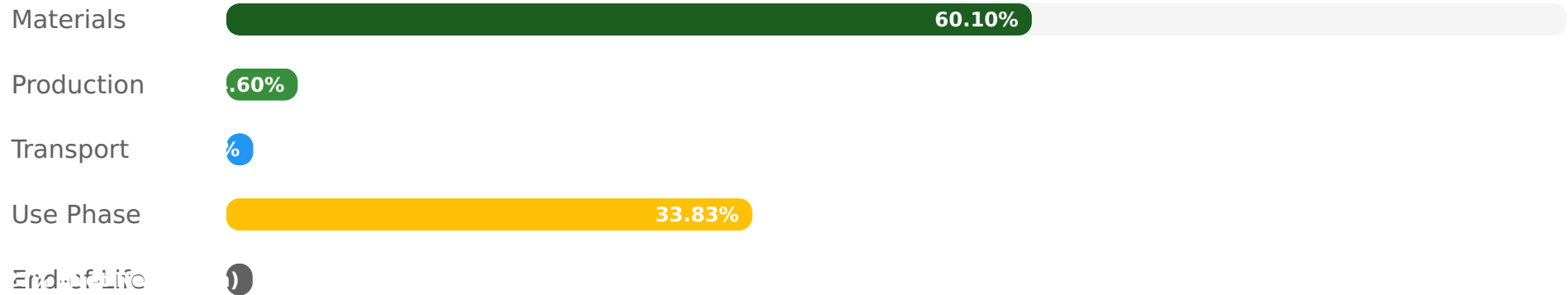
15.0 kgCO₂e (67.5% of materials)

System Boundary

Factory Gate

All processes up to product leaving factory

Carbon Footprint by Lifecycle Stage



Key Highlights

Materials Acquisition & Pre-processing (Scope 3, Category 1) contributes significantly, accounting for approximately 60% of the total PCF due to energy-intensive components like the Lithium-ion Battery and Aluminum.

The Use Phase (Scope 3, Category 11) is the second largest contributor, representing about 34% of the overall footprint, highlighting product energy consumption during its lifespan as a critical area.

The analysis adheres to the 2026 GHG Protocol standards, including robust Scope 3 compliance with a 95% completeness rule, providing a reliable foundation for decarbonization strategies.

Material Impact Breakdown (from Materials Acquisition)

Top Carbon Contributors by Material



Recommendations for ddfwounoxz

Strategic Actions for Decarbonization

- 1. Material Decarbonization:** Focus on suppliers for high-impact materials (e.g., batteries, aluminum) to explore lower-carbon alternatives, recycled content, or improve supplier-specific emission data.
- 2. Energy Efficiency in Use Phase:** Investigate opportunities to reduce the energy consumption of iqmkqmodgp during its operational life. This could involve design changes, power management features, or providing guidance to users on efficient use.
- 3. Renewable Energy Transition:** Accelerate the transition to 100% renewable energy at manufacturing facilities in China, and encourage suppliers to do the same. This would directly reduce Scope 2 emissions and indirectly impact Scope 3 Category 3.
- 4. Supply Chain Engagement:** Enhance engagement with suppliers to collect primary data for Scope 3 categories 1, 4, and 9, improving data quality and compliance with upcoming GHG Protocol requirements.
- 5. Circular Economy Integration:** Strengthen circular economy initiatives beyond basic recyclability, such as product design for disassembly, repairability, and more robust take-back schemes, to maximize avoided emissions at end-of-life.
- 6. LSR Standard Preparedness:** Assess if any raw materials sourced have significant land-use impacts that would require detailed accounting under the new Land Sector and Removals Standard, preparing for its effective date in 2027.