

Product Carbon Footprint Dashboard

BYD Atto 3 | Factory Gate Analysis

Report by carboncalcpf.com

Total PCF (factory_gate)

10.35 tonnes CO2e

Total Footprint (1 unit)

10,348.4 kg CO2e

Carbon Intensity (per kg)

5.91 kg CO2e/kg

Top Material Hotspot

Aluminum

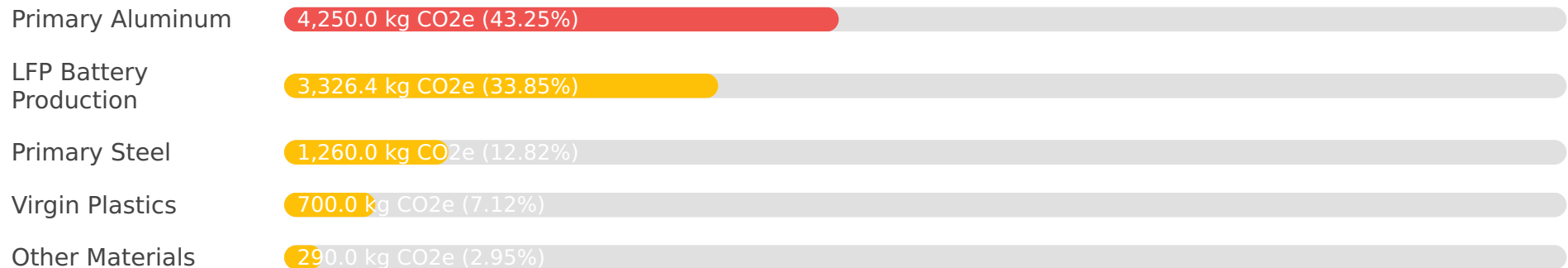
Primary Emission Scope

Scope 3

Carbon Footprint Breakdown by Stage



Material Carbon Impact (of total materials)



Key Insights & Hotspots

- Primary Aluminum production is the largest single emission hotspot, accounting for 4,250.0 kg CO2e due to its energy-intensive smelting process.
- LFP Battery manufacturing is a significant contributor (3,326.4 kg CO2e), highlighting the need for decarbonization in battery supply chains.

Recommendations: How to Reduce Carbon Footprint

- **Supply Chain Decarbonization:** Engage with suppliers of aluminum, steel, and battery components to promote renewable energy adoption and increase the use of recycled content.
- **Material Efficiency & Substitution:** Explore opportunities for further lightweighting with lower-carbon materials and optimizing material use to reduce demand for primary, high-carbon materials.
- **Energy Efficiency in Assembly:** Continue to invest in energy-efficient technologies and renewable energy procurement for the final assembly plant to minimize Scope 1 and Scope 2 emissions.
- **Data Transparency:** Work towards collecting more primary data from key suppliers to enhance the accuracy and reliability of future PCF assessments and identify further reduction opportunities.