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Product Carbon Footprint Dashboard for "qeimdmvdqz"

18.464

kgCO₂e / unit

TOTAL FOOTPRINT

18.464

kgCO₂e per unit

PRODUCTION COUNTRY

China

Factory Gate Location

TOP MATERIAL HOTSPOT

Aluminum Casing

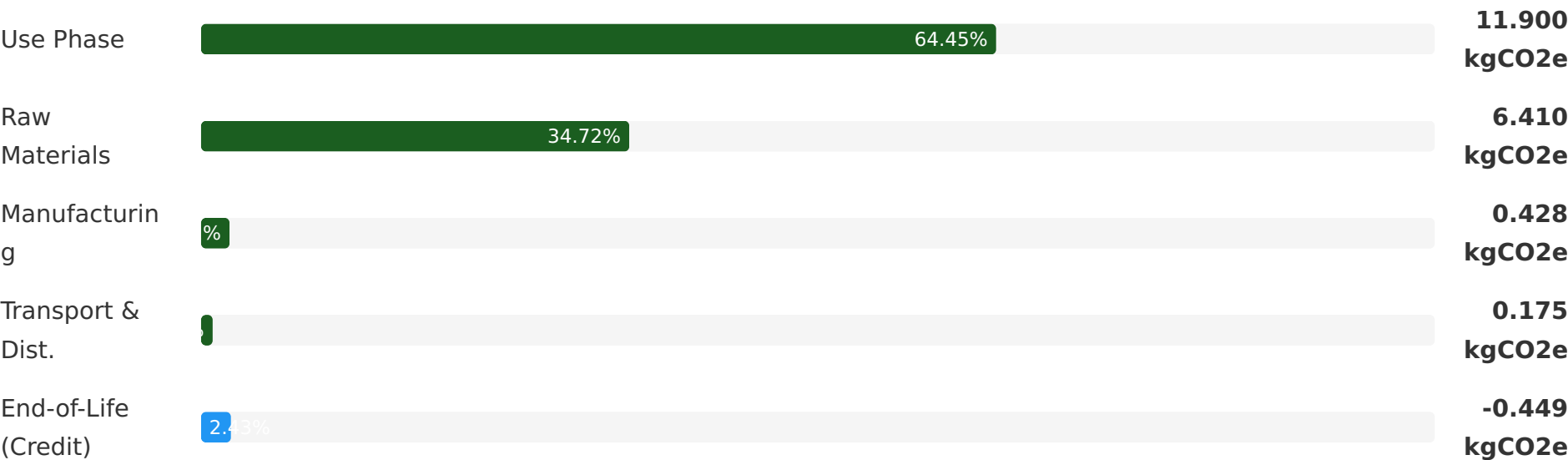
3.50 kgCO₂e of 6.41 kgCO₂e material emissions

PRIMARY EMISSION SCOPE

Scope 3

18.036 kgCO₂e (~97.7% of total)

Lifecycle Stage Breakdown



Recommendations for Impact Reduction

1. **Optimize Use Phase Energy Efficiency:** Focus on engineering and design solutions to significantly reduce the product's energy consumption over its 5-year lifespan.
2. **Sustainable Material Sourcing:** Investigate and implement sourcing strategies for lower-carbon alternatives or increased recycled content for high-impact materials, particularly aluminum and lithium-ion batteries.
3. **Enhance Renewable Energy in Manufacturing:** Further increase the already strong 70% renewable energy usage at the China production facility to minimize Scope 2 emissions.
4. **Strengthen Circular Economy Initiatives:** Expand existing refurbishment and recycling programs to maximize end-of-life benefits and further reduce net emissions.