

Product Carbon Footprint for "tyuxpgvzil"

carboncalcpcf.com

Total PCF: **10.865 kg CO2e**

Product Name

tyuxpgvzil

Quantity

1.0 unit

Primary Hotspot

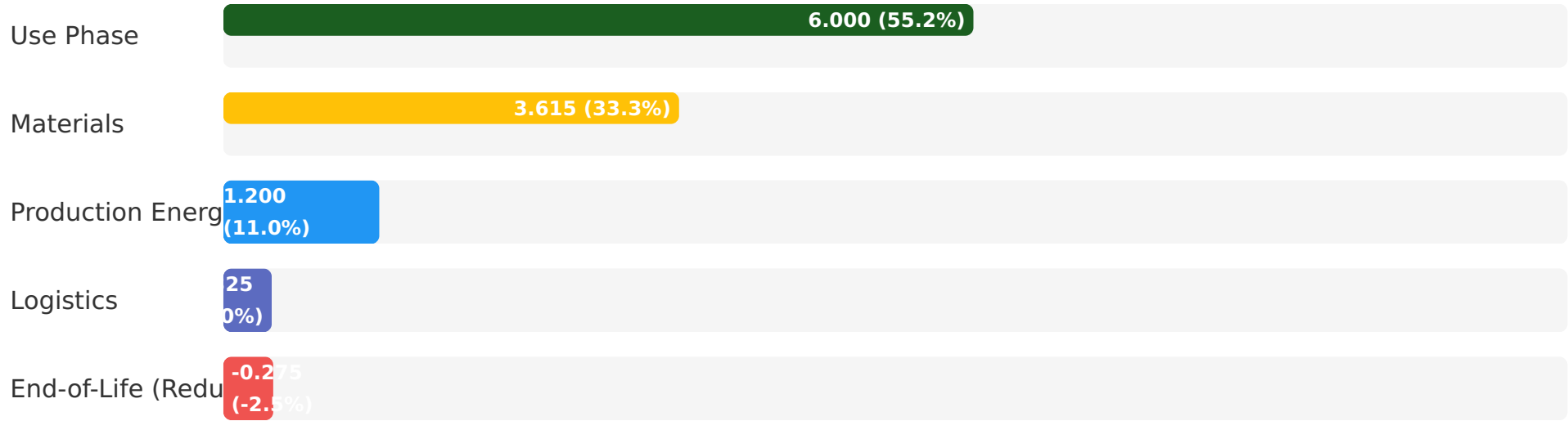
Use Phase

55.2%

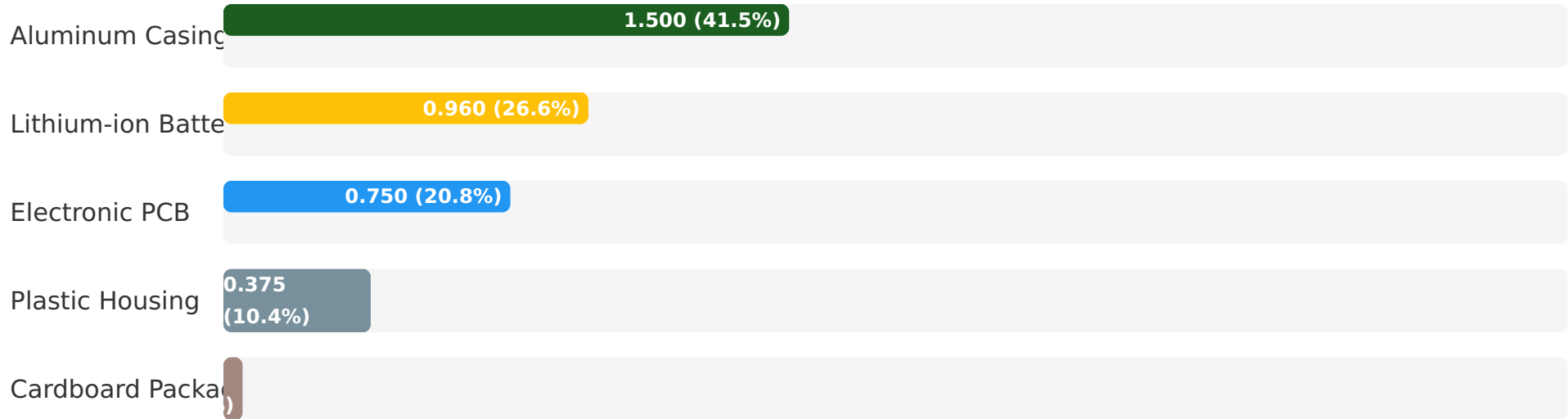
GHG Standard

GHG Protocol

Lifecycle Stage Breakdown (kg CO2e)



Material Carbon Impact (kg CO2e)



Highlights

- The **Use Phase** is the most significant contributor, accounting for 6.000 kg CO2e (55.2%) of the product's total carbon footprint.
- **Materials Acquisition** is the second major hotspot, contributing 3.615 kg CO2e (33.3%), with aluminum, electronics, and batteries being key materials.
- **Production Energy** adds 1.200 kg CO2e (11.0%) to the footprint, despite 60% renewable energy usage, indicating a need for further decarbonization in manufacturing.

Recommendations for Reduction

- **Optimize Use Phase:** Invest in R&D to further reduce the product's energy consumption during its operational lifespan and educate consumers on sustainable usage.
- **Sustainable Sourcing:** Collaborate with suppliers to identify and procure lower-carbon materials and components, exploring options for higher recycled content and traceability.
- **Enhance Primary Data:** Prioritize collecting supplier-specific data for all Scope 3 categories to improve accuracy and meet evolving GHG Protocol requirements.