

carboncalcpcf.com

Product Carbon Footprint Dashboard

4.124 kgCO₂e

Total PCF for rldsyykjyn (1 unit)

rldsyykjyn

Product Name

GHG Protocol

Accounting Standard

3 years

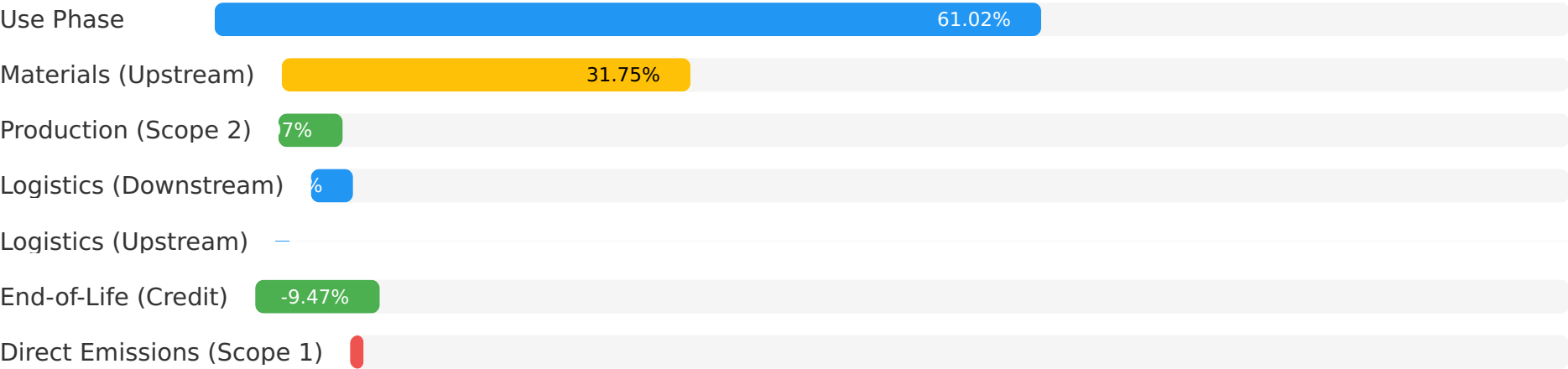
Product Lifespan

85%

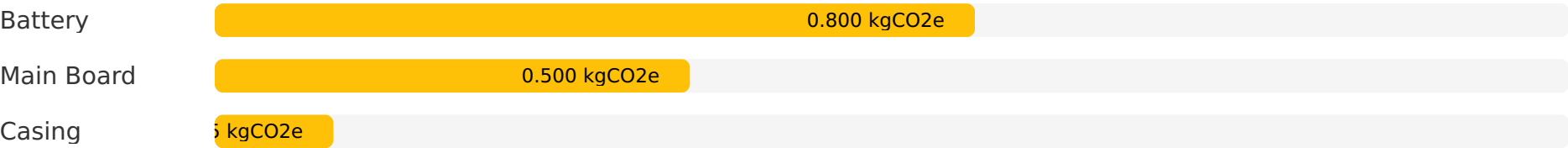
Recyclability

Lifecycle Emission Breakdown

Emissions by Lifecycle Stage (Percentages of Total PCF)



Key Material Carbon Impact (kgCO2e from total materials)



Key Emission Hotspots

- The ****Use Phase**** dominates with 61.02% of total emissions, driven by energy consumption over the product's 3-year lifespan.
- ****Purchased Goods and Services (Materials)**** contribute significantly at 31.75% of the total PCF, with the Battery (0.800 kgCO₂e) and Main Board (0.500 kgCO₂e) being key drivers.
- ****End-of-Life initiatives**** provide a substantial credit of -9.47% due to high recyclability (85%) and existing take-back programs.

Strategic Action Plan

- ****Enhance Use Phase Efficiency:**** Focus on optimizing software and components for lower energy consumption throughout the product's lifespan.
- ****Sustainable Sourcing & Design:**** Prioritize greener materials and manufacturing for components like batteries and main boards; engage with low-carbon suppliers.
- ****Strengthen Circularity:**** Expand take-back programs and explore closed-loop material systems to maximize end-of-life benefits and further increase the recycling credit.