

html

Carbon Footprint Dashboard: [letyogoemv](#)

Total PCF: 21.083 kg CO2e / unit

TOTAL PRODUCT FOOTPRINT

21.083 kg CO2e

For 1.0 unit

CARBON INTENSITY

21.083 kg CO2e/unit

Per functional unit

TOP MATERIAL HOTSPOT

Aluminum Casing

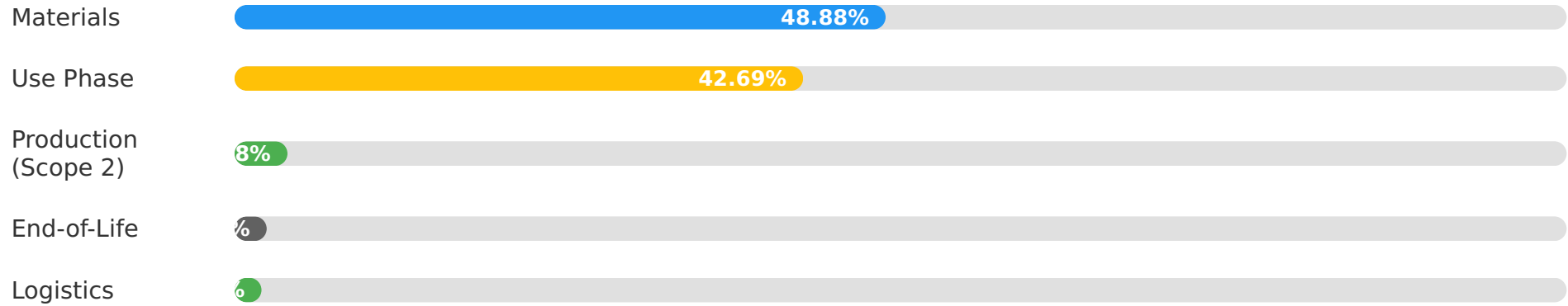
7.385 kg CO2e (71.66% of materials)

PRIMARY EMISSION SCOPE

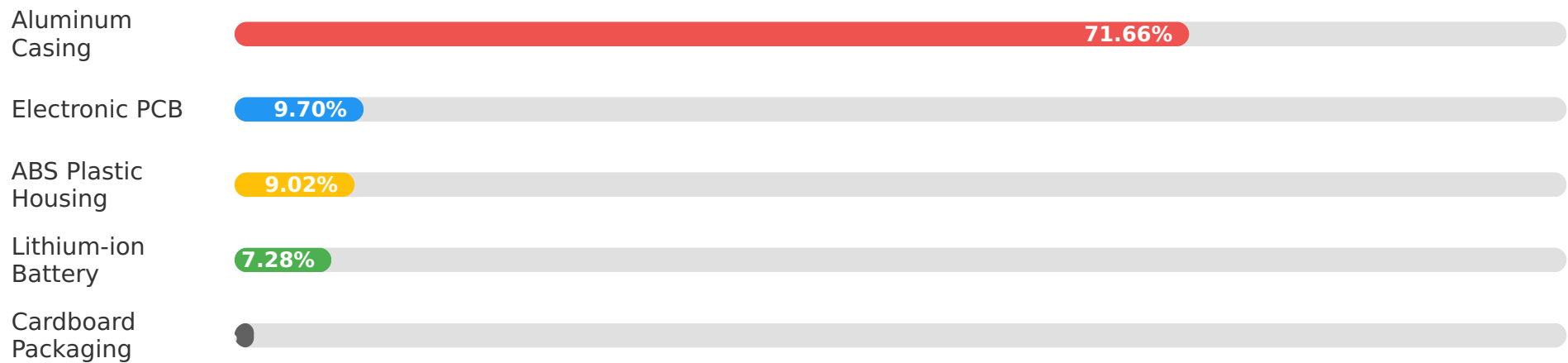
Scope 3

20.243 kg CO2e (approx. 96%)

Lifecycle Stage Breakdown



Material Carbon Impact (Relative)



Report Highlights

- **Material Production Dominates:** Purchased goods and services, particularly aluminum, account for nearly half (49%) of the total carbon footprint.
- **Use Phase is Significant:** The product's energy consumption over its 3-year lifespan contributes substantially, making up 43% of emissions.
- **GHG Protocol Adherence:** Analysis strictly follows GHG Protocol standards, with 95%+ Scope 3 coverage, ensuring comprehensive value chain reporting.

Recommendations for Impact Reduction

- **Material Decarbonization:** Prioritize sourcing lower carbon materials (e.g., recycled aluminum) and engaging suppliers for emission reductions.
- **Optimize Use Phase:** Enhance product energy efficiency and provide clear user guidance on energy-saving operation.
- **Renewable Energy Expansion:** Increase renewable energy adoption at manufacturing sites and advocate for it across the supply chain.
- **Enhance Circularity:** Strengthen take-back programs and design for disassembly to improve recycling rates and material recovery.

