

Product Carbon Footprint Dashboard

Product: Itefhxxljg

carboncalcpcf.com

270.72

Total PCF (kgCO₂e/unit)

Full Lifecycle

System Boundary

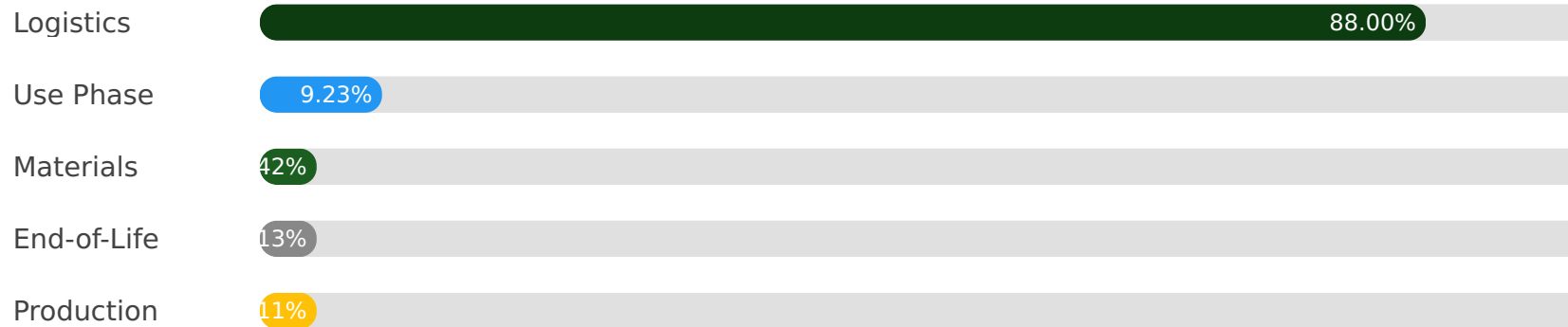
GHG Protocol

Standard Applied

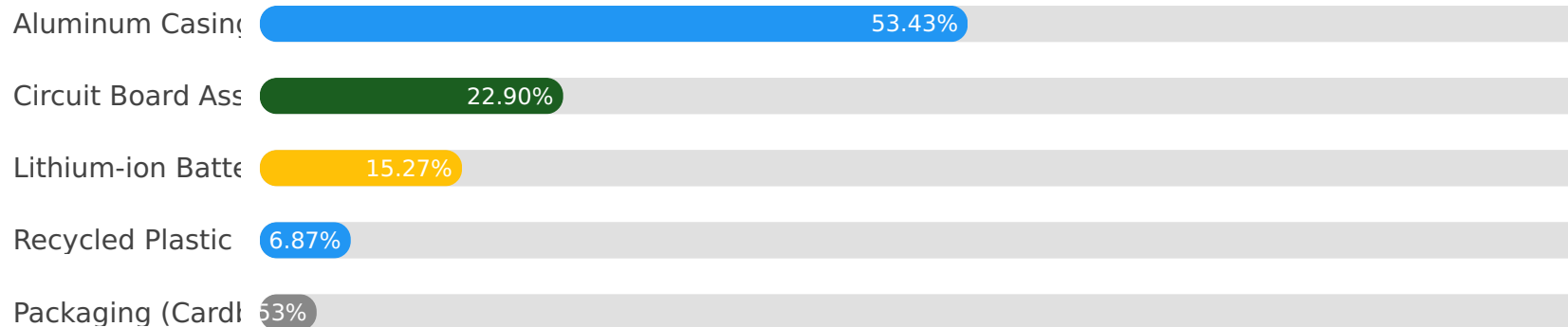
Aluminum Casing

Top Material Hotspot (Illustrative)

Lifecycle Stage Breakdown (Total PCF)



Material Carbon Impact (of Total Material Emissions)



Key Emission Hotspots

- ✓ **Downstream Transportation:** The largest contributor (approx. 69% of total PCF) due to product distribution across Europe.
- ✓ **Upstream Transportation:** Significant impact (approx. 19% of total PCF) from long-distance component logistics to the China manufacturing facility.
- ✓ **Purchased Goods & Services:** Embedded emissions in raw materials like Aluminum and electronic components are substantial, making up the entirety of material emissions.
- ✓ **Use Phase:** Energy consumption during the product's operational lifespan is a notable hotspot (approx. 9% of total PCF).

Action Plan: Reduce Your Footprint

- **Logistics Efficiency:** Optimize routes, consolidate shipments, and shift to lower-emission transport modes (e.g., rail, sea freight, electric vehicles for last-mile).
- **Supply Chain Optimization:** Collaborate with suppliers for decarbonization and explore localizing supply chains to reduce transport distances.
- **Material Circularity:** Increase recycled content, investigate closed-loop systems, and adopt lower-impact alternative materials.
- **Energy Efficiency in Use:** Innovate product design for minimal energy consumption during its lifespan and promote repairability.

→ **Renewable Energy Adoption:** Encourage and support the use of renewable energy across the entire supply chain.