

html

Carbon Footprint Dashboard: ywxhhljxgk

powered by carboncalcpcf.com

Total Product Carbon Footprint
(Illustrative Cradle-to-Grave)
72.95 kgCO₂e/unit

Product

ywxhhljxgk

Production Country

China

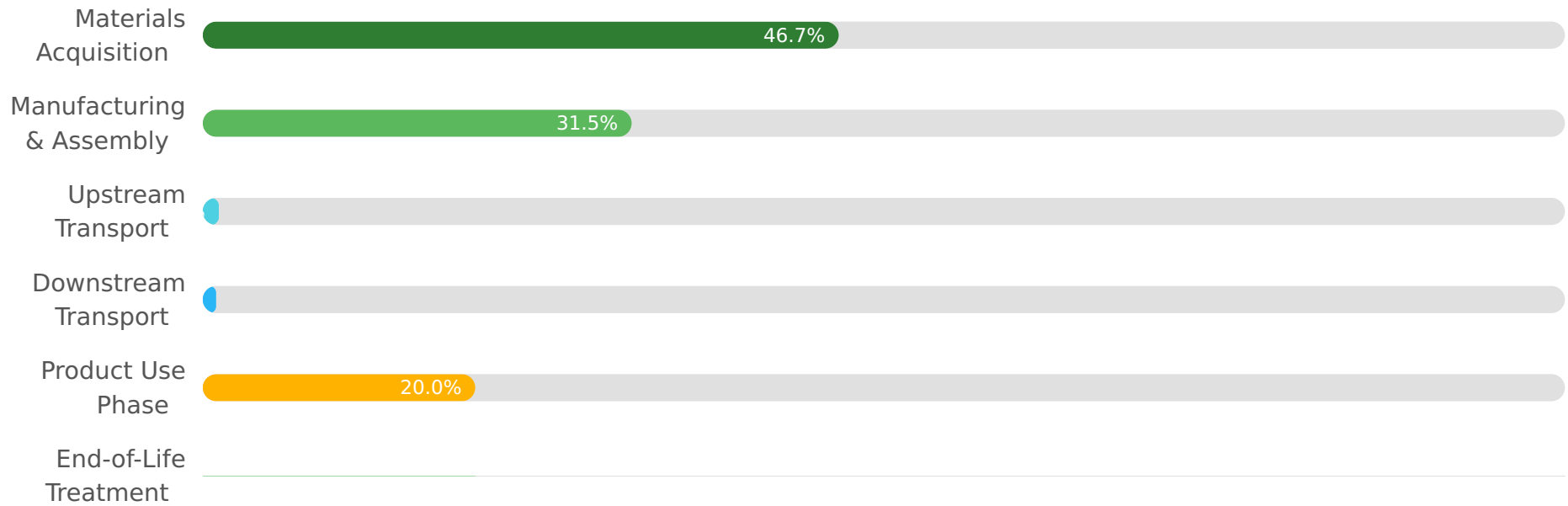
Standard

GHG Protocol

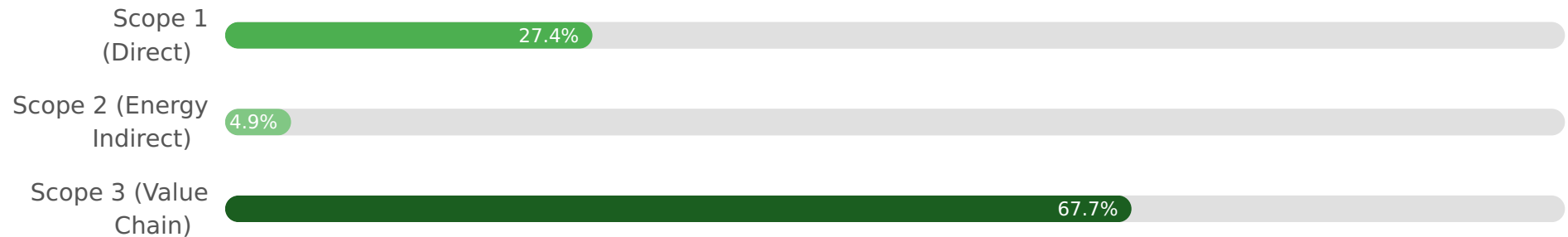
System Boundary

factory_gate (reported total is Cradle-to-Grave for holistic view)

Lifecycle Stage Breakdown



Emission Scope Breakdown



Highlights

- Materials Acquisition (Scope 3, Category 1: Purchased Goods and Services) is the largest emission hotspot, contributing 35.0 kgCO₂e.
- The Product Use Phase (Scope 3, Category 11) is also a significant contributor with 15.0 kgCO₂e, highlighting the importance of energy-efficient design.
- Scope 3 emissions dominate the overall carbon footprint, accounting for approximately 67.7% of the total.

How to Reduce Carbon Footprint

- **Sustainable Sourcing:** Prioritize lower-carbon materials and engage with suppliers to reduce upstream emissions.
- **Energy Efficiency:** Increase renewable energy usage in manufacturing facilities and optimize production processes.
- **Product Design:** Innovate product design for reduced energy consumption during the product's lifespan and enhanced recyclability (current 80% recyclability).
- **Logistics Optimization:** Explore more carbon-efficient transport modes and routes, potentially leveraging local sourcing to reduce transport distances.
- **Enhanced Circularity:** Further develop and promote take-back programs to maximize end-of-life benefits and minimize waste.