

html

# Product Carbon Footprint Dashboard

**Product:** nhkyfwxwvu | **Quantity:** 1.0 unit | **Boundary:** Cradle-to-Grave

**Production Country:** China | **Standard:** GHG Protocol

## 117.57 kg CO<sub>2</sub>e

Total Carbon Footprint

---

**117.57**

Total Footprint (kg CO2e)

**117.57**

Carbon Intensity (kg CO2e/unit)

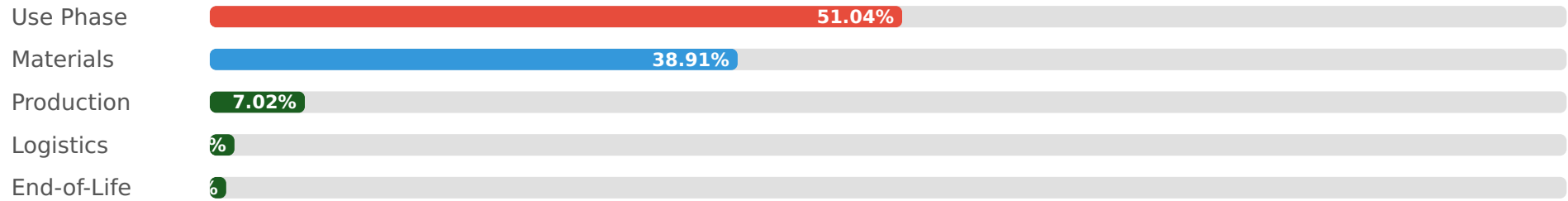
**Steel Plate**

Top Material Hotspot

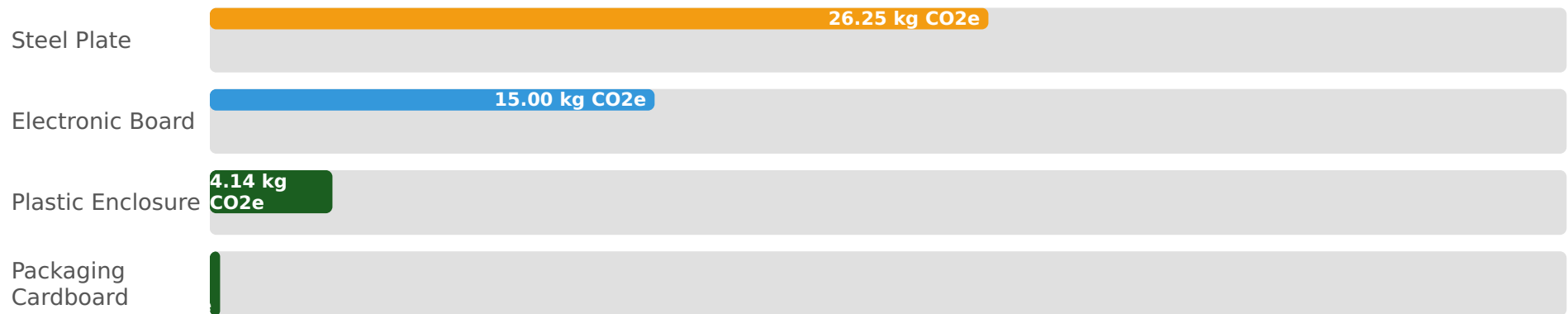
**Scope 3**

Primary Emission Scope

## Lifecycle Stage Breakdown



## Material Carbon Impact



## Key Emission Hotspots

---

- The **Use Phase** is the largest contributor to the product's carbon footprint (51.04%), primarily due to energy consumption over its lifespan.
- **Materials Acquisition & Pre-processing** accounts for a significant portion (38.91%), with Steel Plate being the top material hotspot.
- **Manufacturing/Production** contributes 7.02%, indicating room for further renewable energy integration or efficiency improvements.

## Recommendations for Reduction

---

- **Design for Energy Efficiency:** Focus on reducing energy consumption during the product's use phase through innovative design.
- **Sustainable Sourcing:** Prioritize materials with lower embodied carbon, especially for high-impact components like Steel Plate and Electronic Boards.
- **Increase Renewable Energy:** Further invest in or procure high-quality renewable energy for manufacturing facilities to reduce Scope 2 emissions.
- **Enhance Circularity:** Implement and promote take-back programs, and design for maximum recyclability or reuse at end-of-life.

