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Product Carbon Footprint Dashboard for jopyriqdwg

Total **20.65 kg**
PCF: **CO2e**

Total Footprint

20.65 kg CO2e

for 1.0 unit of jopyriqdwg

Carbon Intensity

20.65 kg CO2e

per unit

Top Material Hotspot

Integrated Circuit Board

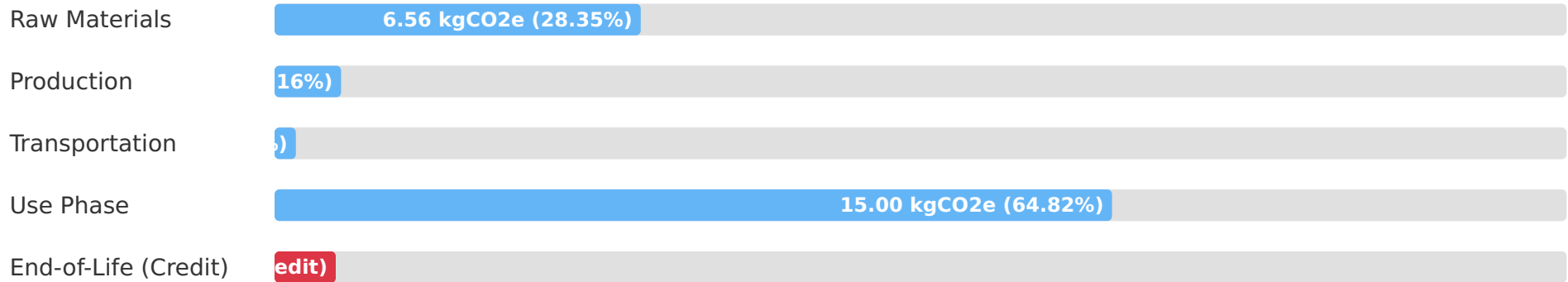
2.50 kg CO2e

Primary Emission Scope

Use Phase

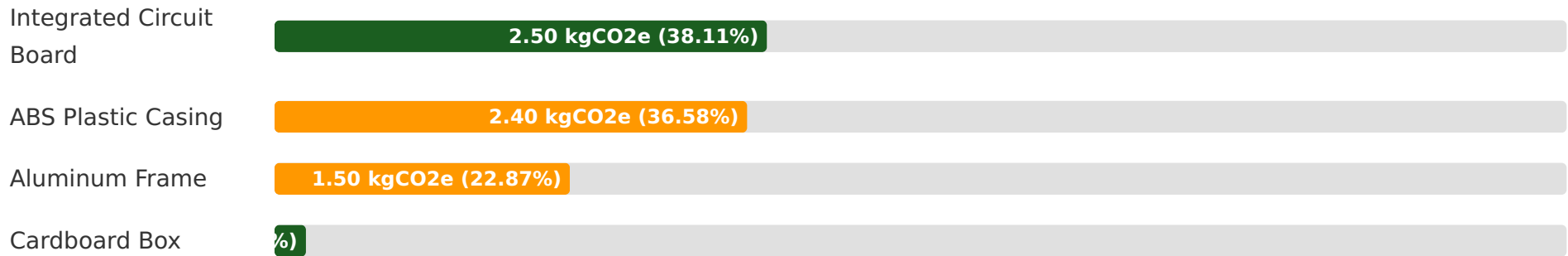
15.00 kg CO2e (Scope 3, Cat 11)

Lifecycle Stage Breakdown



Percentages based on positive gross emissions (23.14 kg CO₂e). End-of-Life is a net credit.

Material Carbon Impact



Total Material Carbon Footprint: 6.56 kg CO₂e

Highlights

- The total Product Carbon Footprint for jopyriqdwg is **20.65 kg CO2e** per unit.
- The **Use Phase** is the most significant hotspot, contributing 15.00 kg CO2e, primarily driven by the product's energy consumption over its 5-year lifespan.
- **Raw Materials Acquisition & Pre-processing** is the second largest hotspot at 6.56 kg CO2e, with electronics and plastics contributing substantially to the upstream footprint.
- The implementation of comprehensive circular/take-back programs results in a significant End-of-Life carbon credit of -0.98 kg CO2e.

How to Reduce Your Footprint

- **Enhance Product Energy Efficiency:** Focus design efforts on reducing energy consumption during the use phase.
- **Increase Recycled Content:** Prioritize using recycled plastics, metals, and other materials in the Bill of Materials.
- **Supplier Engagement:** Collaborate with key material suppliers (especially for electronics and plastics) to track and reduce their specific production emissions.
- **Strengthen Circular Economy Initiatives:** Continue to invest in and expand take-back and recycling programs to maximize material recovery.