

# fsqyvkd pvo Carbon Footprint Dashboard

Product PCF Analysis by carboncalcpcf.com

**4.01 kgCO<sub>2</sub>e**  
Total Carbon Footprint (Cradle-to-Grave)

**4.01 kgCO<sub>2</sub>e**

Total Footprint

**4.01 kgCO<sub>2</sub>e/unit**

Carbon Intensity (per unit)

**PCB Assembly**

Top Material Hotspot

## Lifecycle Stage Breakdown

|  |                   |
|--|-------------------|
| Materials Acquisition & Pre-processing | 1.81 kgCO2e (39%) |
| Manufacturing (Scope 1 & 2)            | 0.52 kgCO2e (11%) |
| Transportation (Scope 3)               | 0.04 kgCO2e (1%)  |
| Use Phase (Scope 3)                    | 2.28 kgCO2e (49%) |
| End-of-Life Treatment (Net Credit)     | -0.63 kgCO2e      |

(The End-of-Life phase provides a net credit to the total footprint.)

■ Materials ■ Manufacturing ■ Transport ■ Use Phase ■ EoL Credit

## Material Carbon Impact (kgCO2e)

|                     |              |
|---------------------|--------------|
| PCB Assembly        | 0.85 kgCO2e  |
| Lithium-ion Battery | 0.50 kgCO2e  |
| Sensor Chip         | 0.30 kgCO2e  |
| ABS Plastic Casing  | 0.125 kgCO2e |
| Wiring & Connectors | 0.018 kgCO2e |
| Cardboard Packaging | 0.018 kgCO2e |

## Highlights & Key Impacts

- **Material Hotspot:** Materials Acquisition & Pre-processing accounts for approx. 39% of gross emissions, with PCB Assembly and Lithium-ion Battery being significant contributors.

