

Product Carbon Footprint Dashboard

Product: udvsvxyout

Total PCF: **33.35** kg CO₂e / unit

TOTAL FOOTPRINT

33.35

kg CO2e

CARBON INTENSITY

39.24

kg CO2e / kg

TOP MATERIAL HOTSPOT

Aluminium

5.00 kg CO2e

PRIMARY EMISSION SCOPE

Scope 3

Downstream Transport

Lifecycle Emission Breakdown

Breakdown of gross emissions across the product lifecycle (before EoL credits).



Material Carbon Impact

Contribution of materials to total upstream emissions.



Key Insights & Hotspots

- **Downstream Transportation:** Last-mile delivery is a significant contributor (12.50 kg CO₂e), highlighting logistics as a primary emission hotspot.
- **Product Use Phase:** Energy consumption during the product's 4-year lifespan contributes substantially (11.40 kg CO₂e).
- **Material Sourcing:** Upstream emissions from raw materials (9.35 kg CO₂e), especially Aluminium and Circuit Board components, present a critical area for sustainable sourcing.

Recommendations for Reduction

- 1. Optimize Downstream Logistics:** Explore electric vehicles, route optimization, and localized distribution to reduce last-mile delivery emissions.
- 2. Enhance Product Energy Efficiency:** Improve the energy efficiency of udvsvxyout to lower consumer electricity consumption during the use phase.
- 3. Sustainable Material Sourcing:** Collaborate with suppliers to source lower-carbon materials, increase recycled content, and optimize material efficiency.
- 4. Strengthen Circularity:** Develop and promote take-back and refurbishment programs to maximize material recovery and reuse.
- 5. Improve Data Collection:** Implement robust systems for collecting primary data across the value chain for more accurate PCF calculations and targeted strategies.

```
document.addEventListener('DOMContentLoaded', () => {
  document.querySelectorAll('.db-progress-bar').forEach(bar => {
    const width = bar.getAttribute('data-width');
    if (width) {
      bar.style.width = width;
    }
  });
});
```

```
});
```