

Product Carbon Footprint Dashboard

nsxsdtrilz

Managed by orvnkglhnt for smtofrsmwp

15.75 kgCO₂e/unit

Calculated using GHG Protocol Product Standard | Production in China

Data as of

Total Footprint

15.75 kgCO₂e

Carbon Intensity

15.75 kgCO₂e/unit

Top Material Hotspot

Electronic Components (2.00 kgCO₂e)

Primary Emission Scope

Scope 3 (98.2%)

Key Highlights

- The **Use Phase** accounts for the largest share of the product's carbon footprint (55.6%), emphasizing the need for energy efficiency during its operational life.
- **Materials Acquisition & Pre-processing** is the second most significant hotspot (33.0%), driven by embodied emissions in components like electronics and plastics.
- **Scope 3 emissions** dominate the overall footprint (98.2%), demonstrating a comprehensive value chain assessment compliant with 2026 GHG Protocol requirements.

Recommendations for Emission Reduction

- **Optimize Use Phase Efficiency:** Design 'nsxsdtrilz' for lower energy consumption through efficient components and power modes.
- **Sustainable Material Sourcing:** Prioritize lower-carbon materials, increased recycled content, and transparent supplier engagement.
- **Logistics Optimization:** Continuously review transport routes and modes, favoring lower-emission alternatives where feasible.
- **Enhance Circularity:** Leverage existing take-back programs and explore design-for-disassembly and repairability to improve material recovery.
- **Renewable Energy Expansion:** Increase renewable energy use in manufacturing and encourage supply chain partners to do the same.