

Carbon Footprint Dashboard

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Product: dojxkfzelv

32.06 kg CO2e

Total Footprint (per unit)

Lifecycle Stage Breakdown

Key Highlights

32.06 kg CO2e

- The **Use Phase** dominates the product's carbon footprint, accounting for approximately 78% of total emissions due to energy consumption over its 5-year lifespan.
- Materials Acquisition & Processing** is the second largest contributor (18%), with Aluminum Casing being the primary hotspot in this category.
- The manufacturing facility in China utilizes **70% renewable energy**, significantly mitigating direct production emissions, but further opportunities exist to reach 100%.

Carbon Intensity

32.06 kg CO2e / unit

Top Material Hotspot

Action Plan for Reduction

- ✓ ****Improve Product Energy Efficiency:**** Implement engineering solutions to drastically reduce energy consumption during dojxkfzlv's operational use.
- ✓ ****Renewable Energy Procurement:**** Increase renewable energy usage at the production facilities beyond 70% and encourage suppliers to adopt renewables.
- ✓ ****Material Optimization:**** Explore lower-carbon alternative materials, increase recycled content (especially for Aluminum), and lightweight components.
- ✓ ****Circular Economy Integration:**** Strengthen the existing "Product Take-back Program" to maximize reuse, refurbishment, and high-quality recycling.
- ✓ ****Supplier Engagement:**** Collaborate with high-impact material suppliers for primary data collection and joint emission reduction initiatives.
- ✓ ****LSR Standard Implementation:**** Begin collecting specific land-use data to align with the 2026 GHG Protocol Land Sector and Removals (LSR) Standard for future assessments.