

html

carboncalcpcf.com

Product Carbon Footprint Dashboard for "wieuufmyxe"

Company: nxtrshtqly • Standard: GHG Protocol • Production Country: China

71.95

kg CO₂e (Total PCF per 1.0 unit)

Total Footprint

71.95 kg CO2e

For 1.0 unit of wieuufmyxe (factory_gate).

Carbon Intensity

74.17 kg CO2e/kg

Per kilogram of product weight (0.97 kg).

Top Material Hotspot

Aluminum Frame

3.50 kg CO2e (49.4% of material emissions).

Primary Emission Scope

Scope 3

Indirect value chain emissions (61.37 kg CO2e).

Emissions Breakdown

Key Insights & Recommendations

Highlights from the Report

- The **Use Phase** (electricity consumption during product lifespan) is the single largest contributor to the PCF, accounting for approximately 40.3% of total emissions.
- **Downstream Transportation** (last-mile delivery) represents another significant hotspot, contributing about 34.8% of the total PCF.
- **Manufacturing/Production** (13.3%) and **Materials Acquisition** (9.8%) also contribute notably, with Aluminum Frame and Lithium-ion Battery being key material impacts.

Action Plan: How to Reduce Emissions

1. **Enhance Use Phase Efficiency:** Optimize product design for lower energy consumption and provide clear guidance to consumers for efficient usage.
2. **Decarbonize Downstream Logistics:** Investigate and implement greener last-mile delivery options, such as electric vehicles or optimized delivery routes.
3. **Further Decarbonize Manufacturing Operations:** Increase renewable energy procurement beyond 70% and implement energy efficiency measures within the factory.
4. **Optimize Material Selection:** Continuously evaluate opportunities to incorporate more recycled content, especially for high-impact materials, and explore lighter-weight designs.
5. **Strengthen Circularity Initiatives:** Expand and promote existing circular/take-back programs to maximize recycling or refurbishment, and design products for easier disassembly and repair.