

Product Carbon Footprint Dashboard

nurzpjdzjj

Total Carbon Footprint

24.74 kg CO₂e

Key Metrics

Total Footprint

24.74

kg CO2e / unit

Carbon Intensity

24.74

kg CO2e / unit

Top Material Hotspot

Electronic Chipset

5.00 kg CO2e

Primary Emission Scope

Scope 3

23.93 kg CO2e

Emissions Breakdown

- The **Use Phase** is the most significant contributor to nurzpjdzjj's carbon footprint, accounting for 60.63% of total emissions.
- **Materials Acquisition & Pre-processing** represents the second major hotspot at 36.17%, with the Electronic Chipset being the highest impact material.
- Robust **End-of-Life** programs and high recyclability result in a net negative emission of -1.05%, demonstrating effective circular economy initiatives.

Action Plan for Reduction

- **Use Phase Optimization:** Invest in R&D to significantly improve the energy efficiency of nurzpjdzjj during its operational lifespan, exploring lower power components and smarter energy management.
- **Sustainable Material Sourcing:** Collaborate with suppliers to procure lower-carbon alternatives for high-impact materials, especially electronic components and structural metals, and increase recycled content.
- **Renewable Energy Expansion:** Aim for 100% renewable energy in manufacturing operations in China, or offset remaining emissions with high-quality credits to further reduce Scope 2 impacts.
- **Logistics Efficiency:** Optimize transportation networks, consolidate shipments, and investigate lower-carbon freight options (e.g., rail or sea freight for longer distances, electric vehicles for last-mile).
- **Enhance Circularity:** Strengthen take-back and recycling programs, aiming to increase the recyclability percentage beyond 60% and explore opportunities for material upcycling.