

html

Product Carbon Footprint Dashboard for wviqrqvqtn

Total PCF (per unit)

31.310 kg CO2e

Product Name

wviqrqvqtn

Company: iohirqxhrz

Accounting Standard

GHG Protocol

System Boundary: Factory Gate

Top Emission Hotspot

Transportation

12.677 kg CO₂e

Primary Emission Scope

Scope 3

92.57% of Total

Carbon Footprint Breakdown

Lifecycle Stage Contribution

Transportation		40.50%
Use Phase		28.89%
Materials		22.58%
Manufacturing (S2)		7.43%
End-of-Life		0.59%
Manufacturing (S1)		0.00%

Top Material Carbon Impact

Aluminum Casing		56.57%
Circuit Board		21.21%
Li-Ion Battery		17.68%

Recommendations for Decarbonization

1. **Optimize Logistics:** Investigate consolidated shipments, efficient route planning for last-mile delivery, and explore lower-emission transport modes (e.g., rail).
2. **Enhance Product Energy Efficiency:** Redesign for reduced energy consumption during the use phase and guide consumers on energy-saving usage patterns.
3. **Sustainable Material Sourcing:** Prioritize recycled content, explore lower-carbon primary materials, and engage suppliers for upstream emission reductions.
4. **Increase Renewable Energy:** Expand renewable energy use at the manufacturing facility beyond 75% and consider renewable procurement for contract manufacturers.
5. **Strengthen Circular Economy:** Further develop and promote take-back programs for key components and integrate design-for-disassembly and repairability.