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# Product Carbon Footprint Dashboard

Insights for **kqntopwfou** | Generated: May 28, 2026

Total Carbon Footprint

**47.58 kg CO2e/unit**

Product: kqntopwfou | Quantity: 1.0 unit

Production Country & Standard

**China**

Standard: GHG Protocol | Boundary: factory\_gate (cradle-to-grave)

Top Emission Hotspot

**Use Phase**

32.50 kg CO2e/unit (approx. 68% of total)

Highest Material Impact

**Main Casing (Plastic)**

1.75 kg CO2e from Bill of Materials

# Strategic Action Plan for Reduction

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- **Optimize Use Phase Efficiency:** Implement design changes to drastically reduce the product's energy consumption during its 5-year operational life, potentially offering renewable energy options to end-users.
- **Enhance Renewable Energy Sourcing:** Strive for 100% renewable energy in manufacturing operations to eliminate remaining Scope 2 emissions and further green the production process.
- **Material Innovation & Circularity:** Investigate and integrate lighter-weight materials, recycled content, and materials with inherently lower embodied carbon, especially for the main casing and electronic components. Expand the existing take-back and refurbishment program.
- **Logistics Optimization:** Conduct a comprehensive review of transport routes, modes, and last-mile delivery solutions for both inbound and outbound logistics to identify and implement greener alternatives.