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Product PCF Dashboard for "itgqvsttzk"

Total Carbon Footprint

12.17 kg CO₂e

Functional Unit

1.0 unit

Quantity analyzed

System Boundary

Cradle-to-Gate

Includes key downstream elements

Production Country

China

Final assembly location

Primary Scope Impact

Key Findings & Hotspots

- The ****Use Phase**** is the most significant contributor (41.1%), driven by product energy consumption over its lifespan and the electricity grid mix of the assumed use region (Europe).
- ****Material Embodied Emissions**** (32.1%), particularly from the circuit board and plastic components, represent a substantial portion of the footprint.
- ****Production Energy**** in China (23.8%) contributes significantly, even with 50% renewable energy usage at the facility.

Recommendations for Reduction

- ****Energy Efficiency in Use:**** Invest in R&D to drastically reduce the energy consumption of itgqvsttzk during its operational lifespan.
- ****Sustainable Material Sourcing:**** Explore alternative, lower-carbon materials for high-impact components, including recycled content and bio-based plastics.
- ****Renewable Energy Procurement:**** Increase the percentage of renewable energy at the manufacturing facility in China through direct procurement or PPAs.
- ****Circular Economy Strategies:**** Enhance design for disassembly, repairability, and further improve take-back and recycling programs.
- ****Supply Chain Engagement:**** Work with suppliers to obtain more specific, primary data on their operational emissions and encourage their decarbonization efforts.

Report Generated: June 1, 2026 | Consultant: vkkkvqeddf (nqnxlgextd) | Standard: GHG Protocol

Disclaimer: This dashboard summarizes findings based on available data and industry standards. Assumptions and estimations are inherent due to data limitations.