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# Product Carbon Footprint for fhqiwuggrj

EcoSmart Device by rxutghkrpl (GreenTech Solutions)

Standard: GHG Protocol | System Boundary: Cradle-to-grave | Production Country: China

**19.89**

kg CO<sub>2</sub>e / unit

## Key Metrics

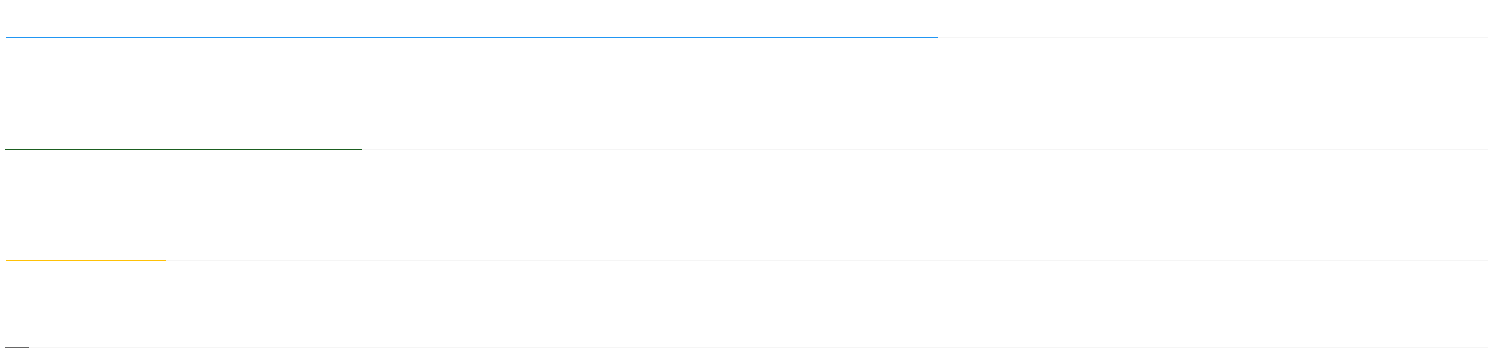
Total Footprint: **19.89** kg CO<sub>2</sub>e

Carbon Intensity: **19.89** kg CO<sub>2</sub>e / unit

Top Material Hotspot: **Aluminum Casing** (1.60 kg CO<sub>2</sub>e)

Primary Emission Scope: **Scope 3 (Use Phase)** (12.50 kg CO<sub>2</sub>e)

## Lifecycle Stage Breakdown

Use Phase		<b>62.84</b> %
Material Acquisition		<b>24.03</b> %
Manufacturing		<b>10.76</b> %
Logistics		<b>1.56</b> %

## Recommended Action Plan

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- Focus on **energy efficiency in product design** and promote renewable energy adoption by end-users to significantly reduce use-phase emissions.
- Investigate **lower-carbon material sourcing**, increase recycled content, and collaborate with suppliers to decarbonize their production processes for key components like aluminum, PCBs, and batteries.
- Further increase the use of **renewable energy** in the manufacturing process or procure certified renewable energy credits to minimize manufacturing emissions in China.