

# Product Carbon Footprint Dashboard

Product: jyftpsxegw | Standard: GHG Protocol  
Report Date: May 24, 2026

**Total PCF: 21.72 kgCO<sub>2</sub>e/unit**

[carboncalcpcf.com](https://carboncalcpcf.com)

**21.72**

Total Footprint (kgCO<sub>2</sub>e)

**21.72**

Carbon Intensity (kgCO<sub>2</sub>e/unit)

**Use Phase**

Primary Emission Hotspot

**Aluminum**

Top Material Impact

## Lifecycle Stage Breakdown

Use Phase	15.0 kgCO <sub>2</sub> e
Materials & Upstream	7.55 kgCO <sub>2</sub> e
Production (S1 & S2)	2.995 kgCO <sub>2</sub> e
Logistics (Downstream)	0.01 kgCO <sub>2</sub> e
End-of-Life (Credit)	-3.84 kgCO <sub>2</sub> e

## Material Carbon Impact

Aluminum Casing	3.5 kgCO <sub>2</sub> e
Circuit Board	2.5 kgCO <sub>2</sub> e
Plastic Enclosure	0.9 kgCO <sub>2</sub> e
Copper Wiring	0.5 kgCO <sub>2</sub> e

Total Material Carbon: 7.4 kgCO<sub>2</sub>e

## Key Highlights & Insights

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- The **Use Phase** accounts for the largest share of the product's carbon footprint (15.0 kgCO<sub>2</sub>e), emphasizing the need for energy-efficient design.
- **Purchased Materials**, especially Aluminum Casing (3.5 kgCO<sub>2</sub>e), are significant contributors to upstream emissions.
- The **End-of-Life** stage provides a net carbon credit (-3.84 kgCO<sub>2</sub>e) due to effective recycling and a take-back program, demonstrating strong circularity.

## Action Plan: Reducing the Carbon Footprint

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- ✓ **Enhance Use Phase Efficiency:** Explore lower power consumption components and modes, and encourage user behavior that minimizes energy usage during the product's 5-year lifespan.
- ✓ **Optimize Material Selection:** Investigate alternative, lower-carbon materials for the Aluminum Casing and Plastic Enclosure, or explore increased recycled content.
- ✓ **Strengthen Circularity:** Further develop the product take-back and refurbishment program to maximize avoided emissions and material recovery beyond the current 60% recyclability.
- ✓ **Supply Chain Decarbonization:** Collaborate with suppliers to reduce emissions from raw material acquisition and manufacturing processes, particularly in high-impact categories.