

html

carboncalcpcf.com

# Product Carbon Footprint Dashboard

Product: unkmpyojur

Report for ugylegeprz | Generated: May 22, 2026

**18.894** kg CO<sub>2</sub>e

Total Carbon Footprint

### Total Footprint

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

Overall cradle-to-grave emissions for one unit of unkmpyojur.

### Top Material Hotspot

**Metal Frame**

Contributes 3.00 kg CO<sub>2</sub>e from raw materials.

### Primary Emission Scope

**Scope 3 (Downstream)**

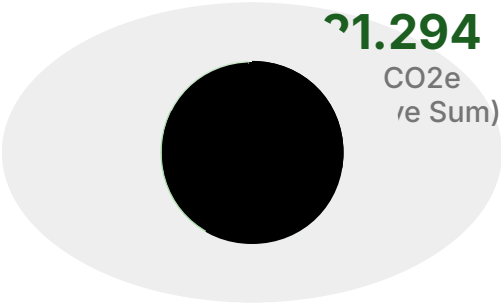
Dominated by the Use Phase (67.3% of total).

### End-of-Life Impact

**-0.40** kg CO<sub>2</sub>e

Net carbon saving due to high recyclability (80%).

# Lifecycle Stage Breakdown



- Use Phase (12.50 kg CO2e)
- Raw Materials (5.17 kg CO2e)
- Manufacturing (3.60 kg CO2e)
- Logistics (0.024 kg CO2e)
- End-of-Life (-0.40 kg CO2e, Net Saving)

# Action Plan: How to Reduce Carbon Footprint

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1. **Enhance Use Phase Efficiency:** Prioritize energy-efficient design, explore low-power modes, and provide user guidance for reduced energy consumption during the product's lifespan.
2. **Optimize Material Sourcing:** Investigate and integrate alternative materials with lower carbon footprints or higher recycled content, especially for the Metal Frame and Plastic Casing components.
3. **Increase Renewable Energy in Manufacturing:** Further expand renewable energy procurement and on-site generation at the manufacturing facility in China to reduce Scope 2 emissions.
4. **Strengthen Circular Economy Initiatives:** Continue to promote and expand take-back programs, exploring opportunities for product refurbishment, repair, and component reuse.
5. **Refine Data Collection:** Implement systems for collecting more granular primary data for inbound logistics and supplier-specific emission factors to improve Scope 3 upstream accuracy.