

html

# Product Carbon Footprint for "vfvtpiwkr"

Company: ulrkjphkeh | Standard: GHG Protocol

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

GROSS FOOTPRINT

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

NET FOOTPRINT

TOTAL GROSS FOOTPRINT

**20.50**

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

CARBON INTENSITY

**20.50**

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

TOP MATERIAL HOTSPOT

**Circuit Board**

(1.50 kg CO<sub>2</sub>e)

PRIMARY EMISSION SCOPE

**Scope 3**

All Stages

## Key Insights & Hotspots

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- ✓ The **Use Phase** accounts for the largest share of emissions (44.15%), emphasizing the need for energy efficiency during product operation.
- ✓ **Manufacturing Energy** is a significant contributor (33.95%), despite 75% renewable energy, due to the remaining grid electricity in China.
- ✓ **Material Acquisition** is the third major hotspot (20.05%), with electronics (Circuit Board, Display) and plastic housing contributing most significantly.

## Action Plan: How to Reduce Impact

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- ✓ **Enhance Use Phase Efficiency:** Innovate product design for lower energy consumption and extended lifespan.
- ✓ **Decarbonize Manufacturing:** Increase renewable energy use beyond 75% at production facilities, or partner with 100% renewable suppliers.
- ✓ **Optimize Material Choices:** Investigate lower carbon footprint materials, higher recyclability rates, and increased recycled content for components.
- ✓ **Strengthen Circular Economy:** Evaluate strategies to increase the take-back program's return rate beyond 50%.