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Product Carbon Footprint for okrkkrtplw

Total PCF (1 unit)

60.34 kg
CO₂e

Total Product Footprint

60.34 kg CO2e

Per 1.0 unit (Cradle-to-Grave)

Carbon Intensity

60.34 kg CO2e

Per unit manufactured

Top Material Hotspot

Electronic Components

8.0 kg CO2e (from BOM)

Primary Emission Scope

Scope 2

Production Energy (41.14%)

Emission Breakdown

Lifecycle Stage Contributions

- Production Energy (Scope 2): 41.14%
- Materials (Scope 3, Cat 1): 26.85%
- Use Phase (Scope 3, Cat 11): 23.67%
- End-of-Life (Scope 3, Cat 12): 8.05%
- Logistics (Scope 3, Cat 4 & 9): 0.29%

Material Impact Breakdown

Steel Casing	5.0 kg CO2e
Copper Wiring	0.8 kg CO2e
Plastic Enclosure	2.4 kg CO2e
Electronic Components	8.0 kg CO2e

