

carboncalpcf.com

Product Carbon Footprint (PCF) Dashboard

Product: **uqksdrvujx** | Company: **xnudnnjolg** | Generated: May 20, 2026

ⓘ **Total PCF: 28.5 kg CO2e / unit**

Carbon Intensity

28.5 kg CO2e

Per functional unit (1.0 unit of uqksdrvujx)

Lifecycle Stage Breakdown

Materials (Scope 3 Upstream)	9.03 kg CO2e (31.7%)
Manufacturing (Scope 1 & 2)	6.0 kg CO2e (21.0%)
Upstream Transport (Scope 3 Upstream)	2.0 kg CO2e (7.0%)
Downstream Transport (Scope 3 Downstream)	1.5 kg CO2e (5.3%)
Use Phase (Scope 3 Downstream)	8.0 kg CO2e (28.0%)
End-of-Life (Scope 3 Downstream)	1.97 kg CO2e (7.0%)

Top Material Carbon Impact

Aluminum Casing	4.75 kg
Printed Circuit Board (PCB)	1.50 kg
Lithium-ion Battery	1.50 kg
ABS Plastic Housing	0.96 kg
Copper Wiring	0.20 kg
Cardboard Packaging	0.12 kg

Total Illustrative Material Carbon Footprint: **9.03 kg CO2e**

Highlights & Key Findings

- The carbon footprint is primarily driven by **material choices** (upstream Scope 3) and **energy consumption** during the product's use phase and manufacturing.
- Significant transport emissions are incurred due to the **Europe-focused supply chain** for materials combined with final production in China.
- The effectiveness of **recyclability and circular economy programs** is crucial for mitigating end-of-life impacts.

