CARBONCALCPCF.COM

Product Carbon Footprint for "vpfxyhihiv"

Report by upshpqdzng - Senior Sustainability Consultant qgmjnidiiw

Total Product Carbon Footprint

37.81 kgCO2e

Total Footprint

37.81 kgCO2e

For 1.0 unit of vpfxyhihiv.

Carbon Intensity

36.71 kgCO2e/kg

Based on 1.03 kg product weight.

Top Material Hotspot

PCB

4.80 kgCO2e (50.37% of material emissions).

Primary Emission Scope

Scope 3: Use Phase

15.00 kgCO2e (39.67% of total PCF).

Lifecycle Stage Breakdown

Materials (Scope 3, Cat. 1)	9.53 kgCO2e (25.20%)
Production (Scope 2)	0.93 kgCO2e (2.45%)
Upstream Transport (Scope 3, Cat. 4)	0.41 kgCO2e (1.09%)
Downstream Transport (Scope 3, Cat. 9)	12.50 kgCO2e (33.05%)
Use Phase (Scope 3, Cat. 11)	15.00 kgCO2e (39.67%)
End-of-Life Treatment (Scope 3, Cat. 12)	-0.56 kgCO2e (-1.47%)

Material Composition vs. Carbon Impact

Printed Circuit Board (PCB)	4.80 kgCO2e (50.37%)
Lithium-ion Battery Cell	2.50 kgCO2e (26.23%)
ABS Plastic Casing	1.40 kgCO2e (14.69%)
Copper Wiring	0.45 kgCO2e (4.72%)
Recycled Aluminum Frame	0.34 kgCO2e (3.57%)
Cardboard Packaging	0.04 kgCO2e (0.42%)