

html

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Product Carbon Footprint Dashboard for xkprdmipkx

Total PCF: 29.42 kgCO₂e

Total Product Footprint

29.42 kgCO₂e/unit

Net emissions across lifecycle

Top Lifecycle Hotspot

Use Phase

14.42 kgCO₂e (49.0%)

Top Material Contributor

Aluminium Casing

7.50 kgCO₂e (65.1% of material impact)

Primary Emission Scope

Scope 3

Lifecycle Stage Breakdown

Material Impact (Upstream Scope 3)	11.52 kgCO ₂ e (38.56%)
Production Emissions (Scope 1 & 2)	3.72 kgCO ₂ e (12.46%)
Transport Emissions (Scope 3)	0.21 kgCO ₂ e (0.72%)
Use Phase Emissions (Downstream Scope 3)	14.42 kgCO ₂ e (48.25%)
End-of-Life (EoL) Benefit (Downstream Scope 3)	-0.45 kgCO ₂ e (Net Reduction)

Top Material Carbon Impact

Aluminium Casing	7.50 kgCO ₂ e
Lithium-ion Battery	2.00 kgCO ₂ e
Circuit Board (PCB)	1.00 kgCO ₂ e
ABS Plastic Enclosure	0.70 kgCO ₂ e
Other Materials	0.32 kgCO ₂ e

