

carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: iqlwppgguo

Total Cradle-to-Grave PCF: **19.43 kg CO₂e**

Generated Date: May 22, 2026

Total PCF (Cradle-to-Grave)

19.43 kg CO₂e

for 1.0 unit

Carbon Intensity

21.59 kg CO₂e/kg

of product mass (0.9 kg)

Top Material Hotspot

Aluminum Casing

73.68% of material impact

Primary Emission Scope

Scope 3

14.21 kg CO₂e (73.1% of total)

Lifecycle Stage Breakdown (Cradle-to-Grave)

Material Acquisition & Pre-processing	24.44% (4.75 kg CO2e)
Manufacturing (Energy)	26.86% (5.22 kg CO2e)
Upstream Transportation	0.35% (0.07 kg CO2e)
Use Phase	46.57% (9.05 kg CO2e)
End-of-Life Treatment	1.77% (0.34 kg CO2e)

Material Composition vs Carbon Impact

Aluminum Casing	73.68% (3.50 kg CO2e)
Plastic Enclosure (ABS)	10.53% (0.50 kg CO2e)
Printed Circuit Board (PCB)	10.53% (0.50 kg CO2e)
Copper Wiring	3.16% (0.15 kg CO2e)
Packaging Cardboard	2.11% (0.10 kg CO2e)

