

# Product Carbon Footprint for qrhhgezpiw

Total PCF (per 1.0 unit):  
**12.48 kg CO2e**

Standard Compliance

**GHG Protocol (2026 Updates)**

System Boundary

**Cradle-to-Gate**

Primary Emission Stage

**Material Acquisition & Production (42.21%)**

Top Material Hotspot

**Circuit Board (PCB) (16.00%)**

## Lifecycle Stage Breakdown

Material Acquisition & Production	42.21%
Use Phase	36.00%
Transportation	16.00%
End-of-Life	4.80%

## Top Material Carbon Hotspots

Circuit Board (PCB)	2.00 kg CO2e
Aluminum Casing	0.75 kg CO2e
Lithium-ion Battery	0.75 kg CO2e
ABS Plastic Enclosure	0.60 kg CO2e

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