

carboncalpcf.com

Total PCF per unit

Product Carbon Footprint: duxdqzpvqf **39.45 kgCO<sub>2</sub>e**

Total Carbon Footprint

**39.45 kgCO<sub>2</sub>e**

For 1.0 unit (cradle-to-grave)

Carbon Intensity

**34.30 kgCO<sub>2</sub>e/kg**

Based on 1.15 kg product weight

Top Material Hotspot

**Aluminum Casing**

4.0 kgCO<sub>2</sub>e (61.5% of material impact)

Primary Emission Scope

**Scope 3**

92.4% of total PCF

## Lifecycle Stage Breakdown

Use Phase	30.00 kgCO <sub>2</sub> e (76.0%)
Material Acquisition	6.50 kgCO <sub>2</sub> e (16.5%)
Manufacturing	3.00 kgCO <sub>2</sub> e (7.6%)
Transport & Distribution	0.24 kgCO <sub>2</sub> e (0.6%)
End-of-Life (Net Benefit)	-0.29 kgCO <sub>2</sub> e (-0.7%)
Avoided Emissions: 0.29 kgCO <sub>2</sub> e	

## Material Carbon Impact (of 6.50 kgCO<sub>2</sub>e total)

Aluminum Casing	4.0 kgCO <sub>2</sub> e (61.5%)
Plastic Enclosure	1.05 kgCO <sub>2</sub> e (16.2%)
Circuit Board	0.75 kgCO <sub>2</sub> e (11.5%)
Copper Wiring	0.4 kgCO <sub>2</sub> e (6.2%)
Packaging Cardboard	0.3 kgCO <sub>2</sub> e (4.6%)

