

Product Carbon Footprint Dashboard

carboncalcpcf.com

Product: myqgkhrwne

Total PCF: 40.51 kgCO₂e/unit

Total Product Carbon Footprint

40.51 kgCO₂e

Primary Emission Hotspot

Manufacturing Energy (Scope 2)

Top Material Contributor

Aluminum Alloy Casing

Key Emission Highlights

- Manufacturing Energy (Scope 2) in China is the largest single contributor, accounting for 19.95 kgCO₂e.
- The Product Use Phase significantly contributes 14.00 kgCO₂e, highlighting the impact of energy consumption during its lifespan.
- Material acquisition, particularly from Aluminum Alloy Casing, is a substantial upstream hotspot with 10.04 kgCO₂e in total.

Action Plan for Reduction

- Increase renewable energy procurement for manufacturing operations in China to significantly reduce Scope 2 emissions.
- Prioritize design for enhanced product energy efficiency and encourage end-user adoption of renewable energy sources.
- Engage deeply with suppliers to source lower-carbon materials and promote sustainable production practices.
- Expand and optimize circular programs, like take-back initiatives, to maximize material recovery and recycling rates.