

html

carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: **nnqonydqtu**

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35.16 kg CO₂e

Total PCF for 1.0 unit (cradle-to-grave)

Total Footprint

35.16 kg CO2e

Carbon Intensity

35.16 kg CO2e/unit

Top Material Hotspot

Aluminium Alloy

11.25 kg CO2e

Primary Emission Scope

Scope 3

32.92 kg CO2e

Lifecycle Stage Breakdown

Raw Material Acquisition	20.42 kg CO2e (56.34%)
Use Phase	12.50 kg CO2e (34.49%)
Manufacturing	2.24 kg CO2e (6.18%)
Transportation	1.08 kg CO2e (2.98%)
End-of-Life (Credit)	-1.08 kg CO2e

1. **Material Optimization:** Focus on lower carbon alternatives, increasing recycled content, and designing for disassembly to boost recycling rates.
2. **Renewable Energy Sourcing:** Increase renewable energy adoption in manufacturing and encourage suppliers to follow suit, exploring options like power purchase agreements.
3. **Energy Efficiency in Use:** Prioritize product design to reduce energy consumption during the use phase through optimized power management and efficient components.
4. **Logistics Optimization:** Implement smarter transportation routes, utilize more carbon-efficient modes, and consolidate shipments to reduce freight emissions.

Standard: GHG Protocol | System Boundary: Cradle-to-Grave | Production Country: China
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